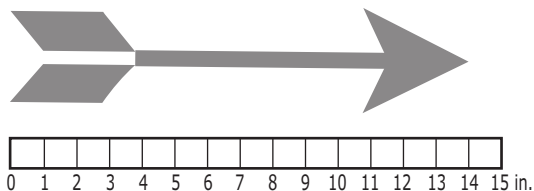


- 1** How long is the arrow?



_____ in.

- 2** Write the fraction when:

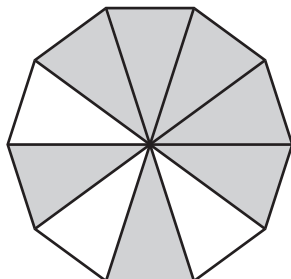
13 is the numerator and 81 is the denominator.

19 is the numerator and 39 is the denominator.

- 3** Complete the sequence.

2, 7, 12, _____, _____

- 4** Write the fraction for the shaded part.



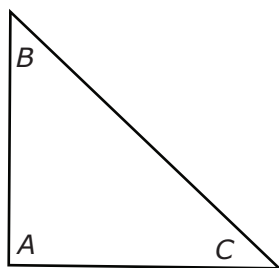
- 5** How much money is pictured below?



\$ _____

- 6** Write the correct number in each blank.

681 = _____ hundreds _____ tens _____ ones

7

How many lines of symmetry are there in the shape above?

Of the angles labeled above, how many are acute angles?

8

Use the table to answer the questions.

Name	Number of Marbles
Andrew	33
Daniel	45
Joshua	39
Matthew	50
William	27

How many marbles does Daniel have?

How many more marbles does Matthew have than Andrew? _____

9

Daniel weighs 43 kilograms (kg) and his father weighs 91 kg. How much less is Daniel's weight than his father's weight?

_____ kg

10

Write the answer in each blank.

Look at this number

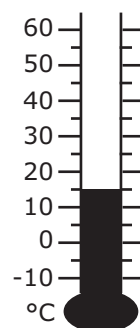
2,631

Which digit is in the hundreds place? _____

Which digit is in the ones place? _____

11

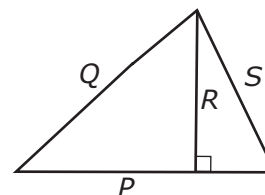
What is the temperature?



_____ °C

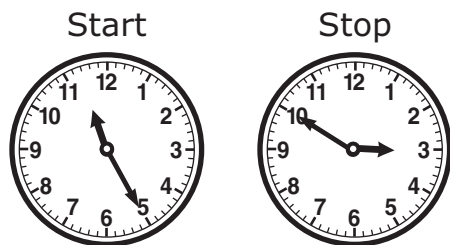
12

Write the correct letter in the blank.



Height of the triangle = _____

- 13** How long does the train run?



_____ hours _____ minutes

- 14** Emma has 5 quarters, 2 dimes, and 1 nickel in her pocket. If she pulls out one coin without looking, what type of coin is she most likely to pull out?

- 15** Write the answer in each blank.

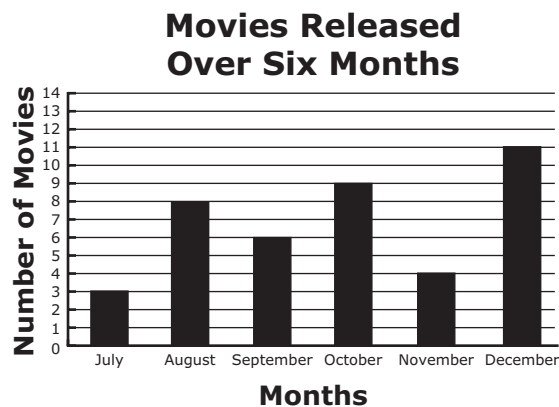
Of these numbers

7,635 7,587 7,916 7,448

_____ is the largest

_____ is the smallest

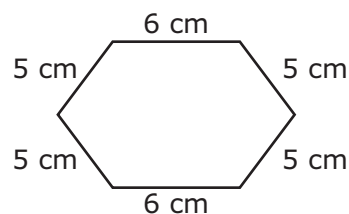
- 16** Use the graph to answer the question.



How many movies were released in November? _____

- 17** Madison has to solve problems on three math assignments. The assignments contain 26, 28, and 30 math problems. Madison has already solved 13 math problems. How many more math problems does she need to solve?

- 18** What is the perimeter of this shape?



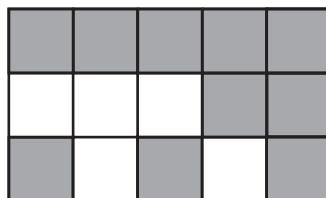
_____ cm

- 19** Which shape below has a right angle?



- 20** Write four hundreds three tens seven ones as a number.

- 21** What is the area of the shaded region?



 = 7 sq units

_____ sq units

- 22** Write nine thousand seven hundred forty-eight as a number.

- 23** Write the correct letter in the blank.

February						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28

Joshua's Birthday

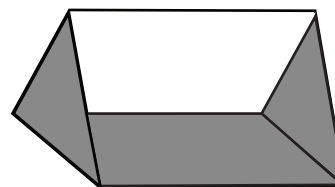
What day of the week is the third day before Joshua's birthday?

A Monday

B Sunday

C Saturday

- 24** What is the fraction of the shaded faces on this solid?

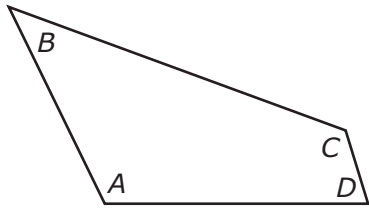


- 25** There are 19 birds in a cage. How many feet are there in the cage?

- 26** The height of a building is 117 feet (ft). Round the height of the building to the nearest tens place.

_____ ft

- 27** Is $\angle D$ larger or smaller than a right angle?



- 28** A math book contains 91 pages. Rounded to the nearest hundreds place, how many pages does the math book contain?

- 29** The cost of a single DVD is \$4.99. Estimate to the nearest whole number the cost of 5 DVDs.

\$_____

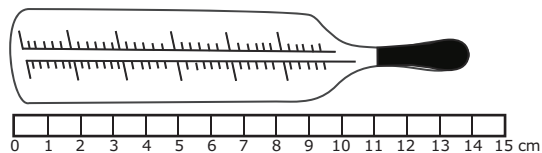
Reminder: There is **no** partial credit when scoring. The answer must be correct **in its entirety** to obtain the correct score value. If any part of a multi-part question is incorrect, the score is zero.

Grade 3, Probe 1 Answer Key

Item No.	Answer	Correct	Incorrect
1.	14	1	0
2.	$\frac{13}{81}, \frac{19}{39}$	1	0
3.	17, 22	1	0
4.	$\frac{7}{10}$	1	0
5.	3.60	1	0
6.	6, 8, 1	1	0
7.	1, 2	3	0
8.	45, 17	1	0
9.	48	1	0
10.	6, 1	1	0
11.	15	1	0
12.	R	3	0
13.	3, 25	3	0
14.	quarter	1	0
15.	7,916; 7,448	1	0
16.	4	1	0
17.	71	2	0
18.	32	1	0
19.	A	2	0
20.	437	1	0
21.	70	3	0
22.	9,748	1	0
23.	B	1	0
24.	$\frac{3}{5}$	2	0
25.	38	2	0
26.	120	2	0
27.	smaller	3	0
28.	100	2	0
29.	25	2	0

Total

- 1** How long is the thermometer?



_____ cm

- 2** Write the fraction when:

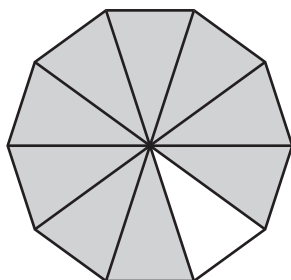
22 is the numerator and 45 is the denominator.

23 is the numerator and 47 is the denominator.

- 3** Complete the sequence.

2, 9, 16, _____, _____

- 4** Write the fraction for the shaded part.



- 5** How much money is pictured below?

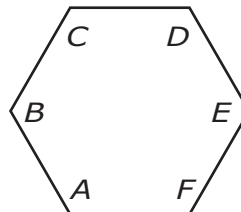


\$ _____

- 6** Write the correct number in each blank.

196 = _____ hundreds _____ tens _____ ones

- 7**



How many lines of symmetry are there in the shape above?

Of the angles labeled above, how many are acute angles?

- 8** Use the table to answer the questions.

Name	Number of Marbles
Jayden	37
John	47
Nicholas	43
Tyler	49
Jacey	29

How many marbles does John have?

How many more marbles does Nicholas have than Jayden? _____

- 9** Kevin weighs 52 kilograms (kg) and his father weighs 89 kg. How much less is Kevin's weight than his father's weight?

_____ kg

- 10** Write the answer in each blank.

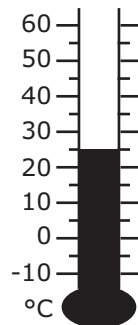
Look at this number

6,987

Which digit is in the hundreds place? _____

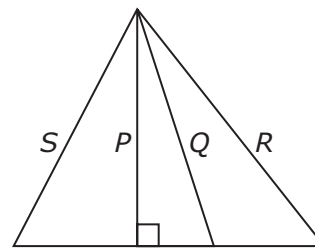
Which digit is in the ones place? _____

- 11** What is the temperature?



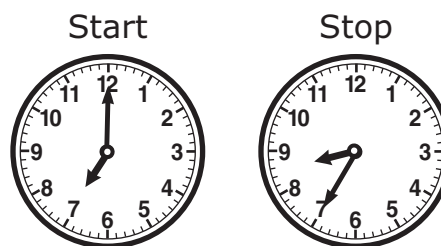
_____ °C

- 12** Write the correct letter in the blank.



Height of the triangle = _____

- 13** How long does the train run?



_____ hours _____ minutes

- 14** Kayla has 7 quarters, 6 dimes, and 8 nickels in her pocket. If she pulls out one coin without looking, what type of coin is she most likely to pull out?

- 15** Write the answer in each blank.

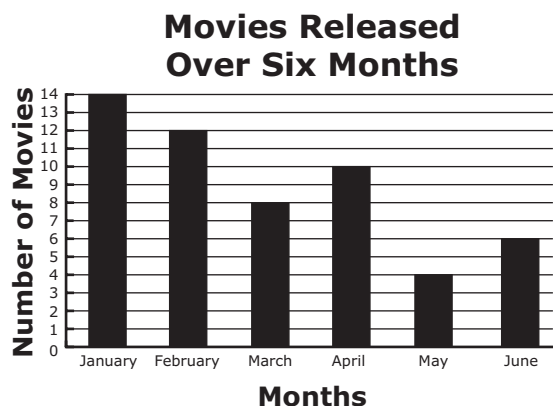
Of these numbers

4,746 2,599 5,354 3,981

_____ is the largest

_____ is the smallest

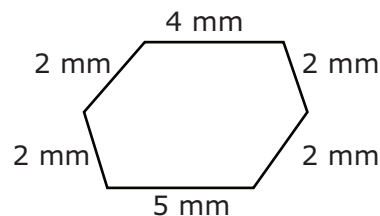
- 16** Use the graph to answer the question.



How many movies were released in June?

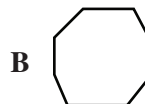
- 17** Mark has to solve problems on three math assignments. The assignments contain 12, 14, and 15 math problems. Mark has already solved 7 math problems. How many more math problems does he need to solve?

- 18** What is the perimeter of this shape?



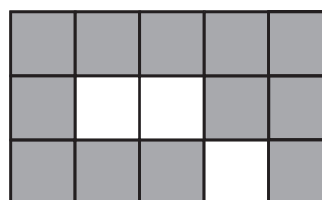
_____ mm

- 19** Which shape below is a pentagon?



- 20** Write five hundreds two tens three ones as a number.

- 21** What is the area of the shaded region?



= 7 sq units

_____ sq units

- 22** Write eight thousand three hundred seventeen as a number.

- 25** There are 22 birds in a cage. How many feet are there in the cage?

- 23** Write the correct letter in the blank.

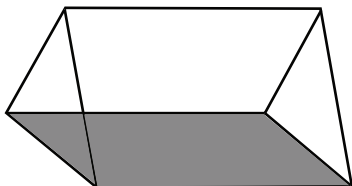
February						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28

Dance Competition

What day of the week is the first day after the dance competition?

- A Sunday
B Thursday
C Saturday

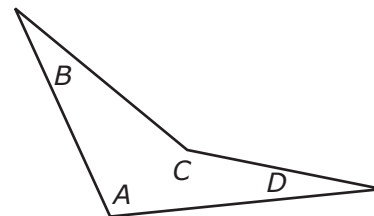
- 24** What is the fraction of the shaded faces on this solid?



- 26** The height of a building is 133 feet (ft). Round the height of the building to the nearest tens place.

_____ ft

- 27** Is $\angle B$ larger or smaller than a right angle?



- 28** A math book contains 114 pages. Rounded to the nearest hundreds place, how many pages does the math book contain?

- 29** The cost of a single DVD is \$4.95. Estimate to the nearest whole number the cost of 7 DVDs.

\$ _____

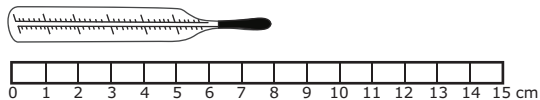
Reminder: There is **no** partial credit when scoring. The answer must be correct **in its entirety** to obtain the correct score value. If any part of a multi-part question is incorrect, the score is zero.

Grade 3, Probe 2 Answer Key

Item No.	Answer	Correct	Incorrect
1.	14	1	0
2.	$\frac{22}{45}, \frac{23}{47}$	1	0
3.	23, 30	1	0
4.	$\frac{9}{10}$	1	0
5.	1.65	1	0
6.	1, 9, 6	1	0
7.	6, 0	3	0
8.	47, 6	1	0
9.	37	1	0
10.	9, 7	1	0
11.	25	1	0
12.	P	3	0
13.	1, 35	3	0
14.	nickel	1	0
15.	5,354; 2,599	1	0
16.	6	1	0
17.	34	2	0
18.	17	1	0
19.	A	2	0
20.	523	1	0
21.	84	3	0
22.	8,317	1	0
23.	C	1	0
24.	$\frac{1}{5}$	2	0
25.	44	2	0
26.	130	2	0
27.	smaller	3	0
28.	100	2	0
29.	35	2	0

Total

- 1** How long is the thermometer?



_____ cm

- 2** Write the fraction when:

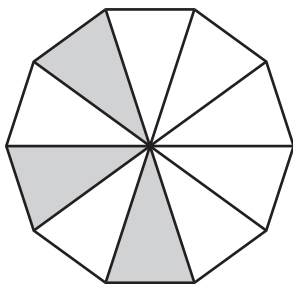
38 is the numerator and 67 is the denominator.

48 is the numerator and 79 is the denominator.

- 3** Complete the sequence.

9, 14, 19, _____, _____

- 4** Write the fraction for the shaded part.



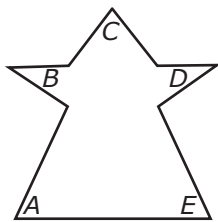
- 5** How much money is pictured below?



\$ _____

- 6** Write the correct number in each blank.

382 = _____ hundreds _____ tens _____ ones

7

How many lines of symmetry are there in the shape above?

Of the angles labeled above, how many are acute angles?

8

Use the table to answer the questions.

Name	Number of Marbles
Brian	70
Eric	78
Layla	85
Liam	67
Marian	72

How many marbles does Eric have?

How many more marbles does Brian have than Liam? _____

9

Kevin weighs 65 kilograms (kg) and his father weighs 77 kg. How much less is Kevin's weight than his father's weight?

_____ kg

10

Write the answer in each blank.

Look at this number

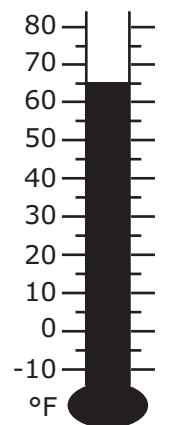
5,566

Which digit is in the hundreds place? _____

Which digit is in the ones place? _____

11

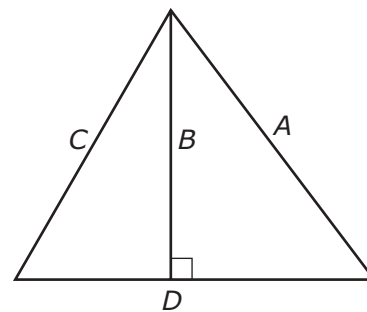
What is the temperature?



_____°F

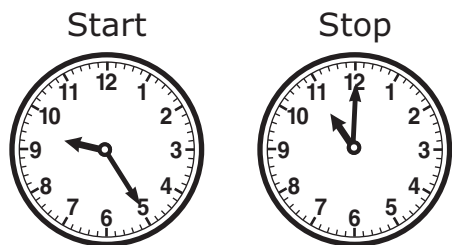
12

Write the correct letter in the blank.



Height of the triangle = _____

- 13** How long does the train run?



_____ hours _____ minutes

- 14** Melinda has 22 pennies, 31 dimes, and 42 nickels in her piggy bank. If she pulls out one coin without looking, what type of coin is she most likely to pull out?

- 15** Write the answer in each blank.

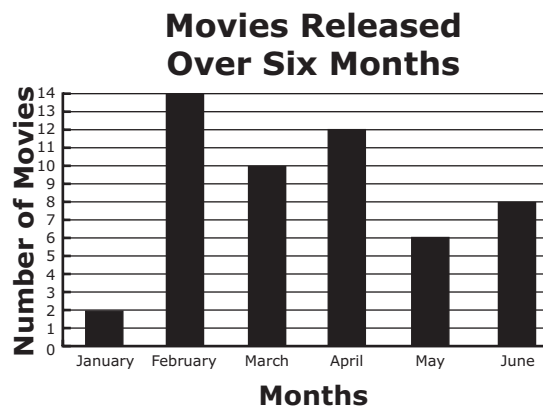
Of these numbers

1,647 2,873 2,368 1,741

_____ is the largest

_____ is the smallest

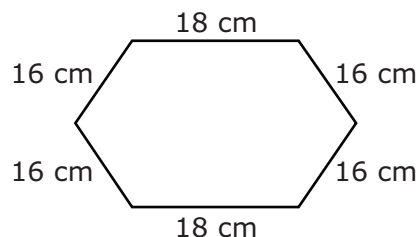
- 16** Use the graph to answer the question.



How many movies were released in April?

- 17** Keri has to read three chapters from a book. The chapters contain 13, 12, and 14 pages. Keri has already read 9 pages. How many more pages does she need to read?

- 18** What is the perimeter of this shape?



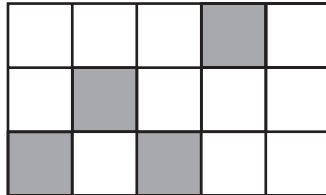
_____ cm

- 19** Which shape below is a triangle?



- 20** Write nine hundreds eight tens nine ones as a number.

- 21** What is the area of the shaded region?



= 5 sq units

_____ sq units

- 22** Write seven thousand six hundred sixty-three as a number.

- 23** Write the correct letter in the blank.

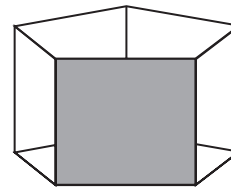
February						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28

Basketball game

What day of the week is the second day after the basketball game?

- A Friday
B Wednesday
C Monday

- 24** What is the fraction of the shaded faces on this solid?

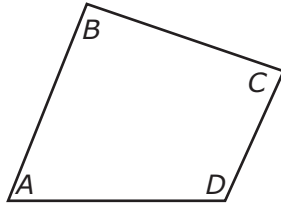


- 25** There are 34 birds in a cage. How many feet are there in the cage?

- 26** The height of a building is 204 feet (ft). Round the height of the building to the nearest tens place.

_____ ft

- 27** Is $\angle D$ larger or smaller than a right angle?



- 28** A math book contains 176 pages. Rounded to the nearest hundreds place, how many pages does the math book contain?

- 29** The cost of a single DVD is \$5.90. Estimate to the nearest whole number the cost of 17 DVDs.

\$_____

Reminder: There is **no** partial credit when scoring. The answer must be correct **in its entirety** to obtain the correct score value. If any part of a multi-part question is incorrect, the score is zero.

Grade 3, Probe 3 Answer Key

Item No.	Answer	Correct	Incorrect
1.	8	1	0
2.	$\frac{38}{67}, \frac{48}{79}$	1	0
3.	24, 29	1	0
4.	$\frac{3}{10}$	1	0
5.	2.60	1	0
6.	3, 8, 2	1	0
7.	1, 5	3	0
8.	78, 3	1	0
9.	12	1	0
10.	5, 6	1	0
11.	65	1	0
12.	B	3	0
13.	1, 35	3	0
14.	nickel	1	0
15.	2,873; 1,647	1	0
16.	12	1	0
17.	30	2	0
18.	100	1	0
19.	B	2	0
20.	989	1	0
21.	20	3	0
22.	7,663	1	0
23.	A	1	0
24.	$\frac{1}{7}$	2	0
25.	68	2	0
26.	200	2	0
27.	larger	3	0
28.	200	2	0
29.	102	2	0

Total