

MTSonline

5

2012

Summative Test

Test Time: 60 minutes

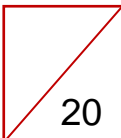
First Name

Class

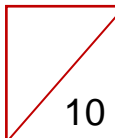
Last Name

Date

School

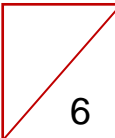
Number  20

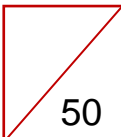
Measurement  7

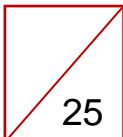
Geometry  10

Algebra  4

Probability  3

Statistics  6

Written  50

Mental  25

1. Calculate:

$$2139 + 7 + 1988 + 606$$

2. Calculate:

$$\$3\,404.70 - \$379$$

3. Calculate:

$$\frac{27}{8} - \frac{23}{8} =$$

4. What change would you receive from a \$10 note if you bought an ice-cream for \$4.35?

5. Dan and Sammy both bought a T-shirt and hat. They each paid the same amount of money.

Dan's shirt cost \$35.90 and his hat cost \$15.20. Sammy's shirt cost \$25.95.

How much did Sammy's hat cost?

6. Calculate:

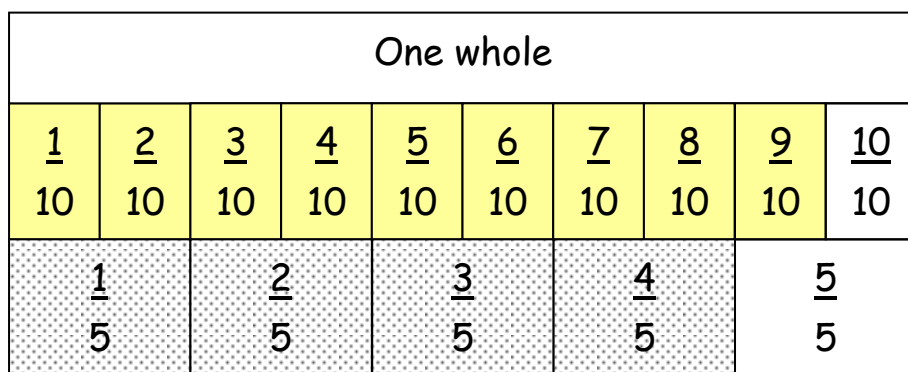
43

x 6

7. Calculate:

$$288 \times 4 = \boxed{}$$

8. The fractions $\frac{9}{10}$ and $\frac{4}{5}$ have been shaded on this fraction wall.



What is the difference between $\frac{9}{10}$ and $\frac{4}{5}$? $\boxed{}$

9. A prize of \$595 is shared between 5 friends.

How much does each person get?

10. Calculate: $320 \div 40$

11. Calculate:

$$2.4 \times 8 =$$

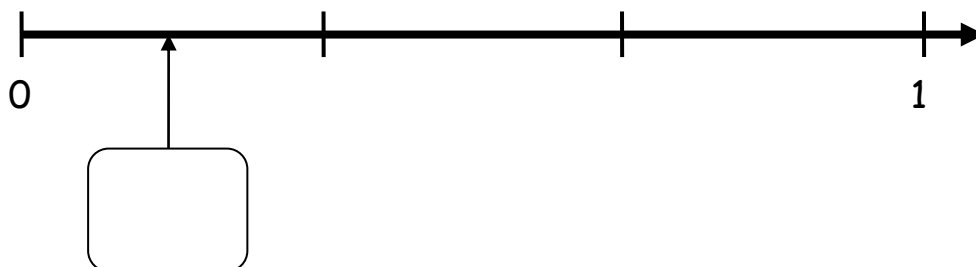
12. Calculate:

$$4 \overline{) \$65.40}$$

13. This year Ray has saved \$66.50 and was given another \$40 for his birthday. How much more does he need to save to get to his target of \$120?

14. Over the 8 years since she started school Elli has nearly doubled her height from 76 cm to 164 cm. About how much did Elli grow each year?

15. What is the *fraction* at the arrowed point on the number line?



16. Write the fraction as a decimal:

$$\frac{4}{10}$$

17. Write the decimal as a fraction:

$$0.08$$

18. Write the missing number to complete the number sentence.

$$280 \times 12 \div 4 = 3 \times 140 \times \text{[]}$$

19. Write the missing number to complete the number sentence:

$$32 + 13 = \text{[]} \times 5$$

20. Tick the correct answer.

$$205 \div 100 =$$

250

200.5

20.05

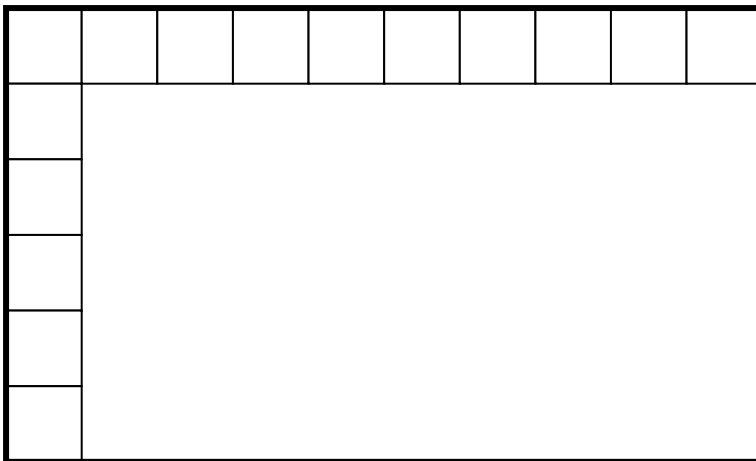
2.05

21. This table shows the times of the first 4 swimmers in a 100 m race.
Write the times in finishing order.

21:1 s	21:00 s	21:01 s	20:59 s
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1 st place	2 nd place	3 rd place	4 th place

22. What is the area of the rectangle?



= 1 square centimetre

23. Which metric unit would you use to measure the amount of water in a large bucket?

centimetres

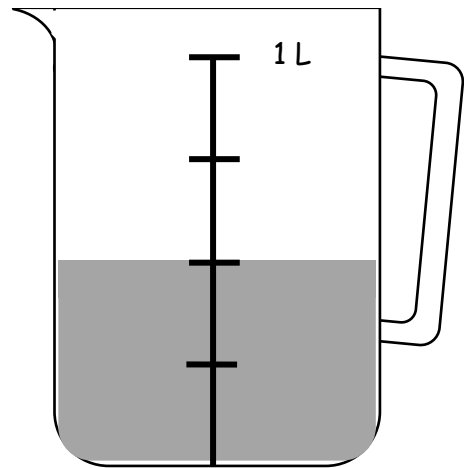
square metres

kilograms

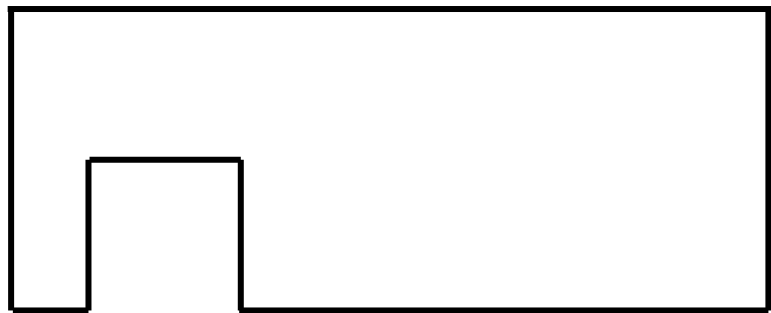
litres

TEST 5 MEASUREMENT

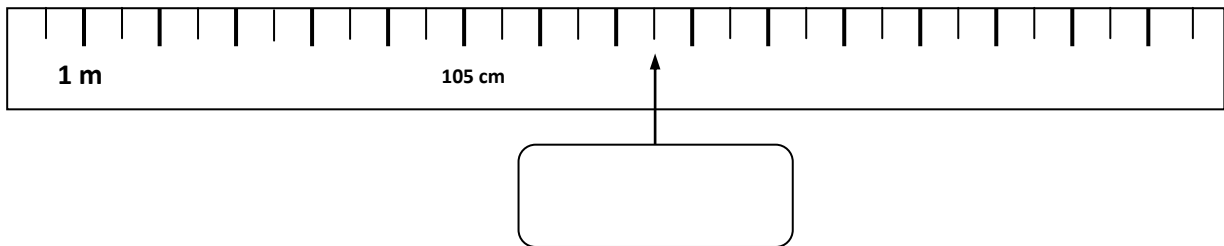
24. How much more water is needed to fill the jug to 1 L?



25. Write the perimeter of the shape to the nearest centimetre:



26. Record the measure at the arrowed point in centimetres:

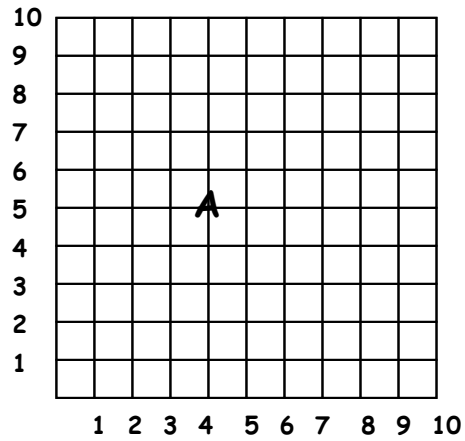


27. Use the scale to calculate the length of the line (round to the nearest centimetre):

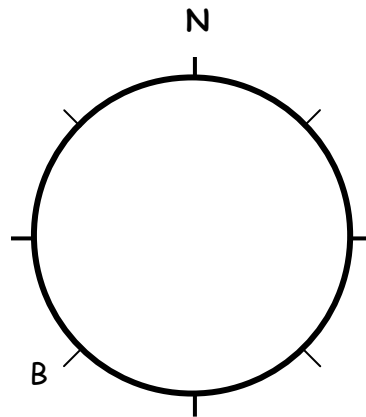
Scale: 1 cm = 10 m



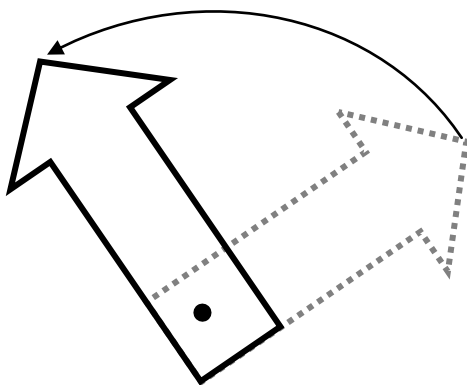
28. Describe the point location for **A**.



29. Name the compass points at B.



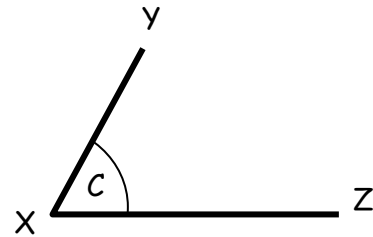
30. How many degrees has the black arrowed turned in a clockwise direction?
Put a cross on your answer.



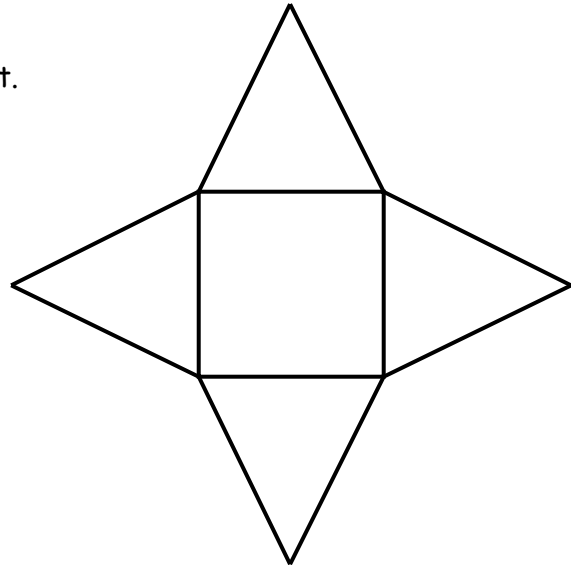
90°	180°
270°	360°

31. How many lines of symmetry could you draw in a rectangle?

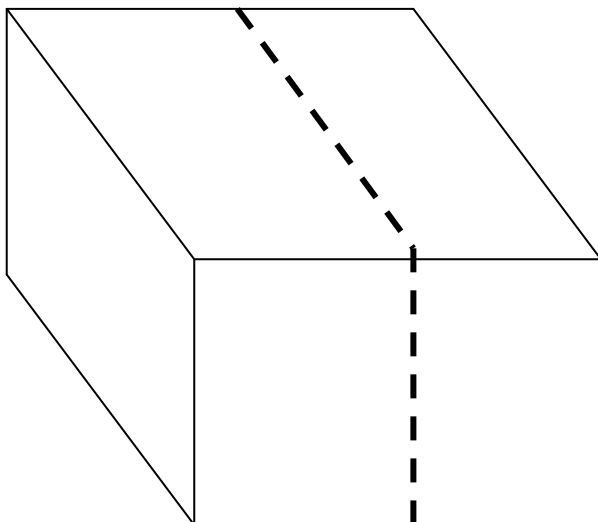
32. Angle $C = 60^\circ$. How many more degrees of turn are required for line XY to become a vertical line?



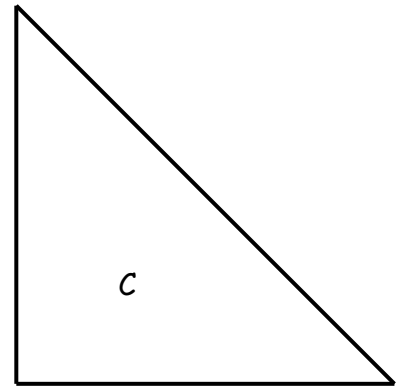
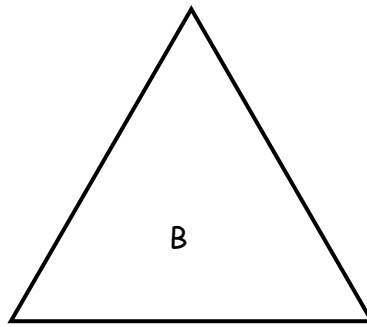
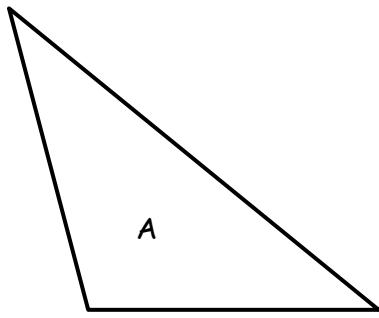
33. Name the 3D model represented by this net.



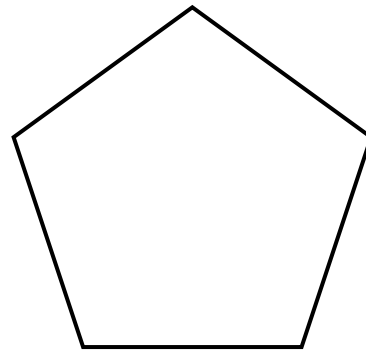
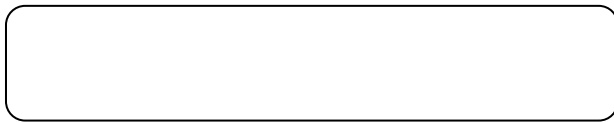
34. Name the new 2D face you would see after cutting down through the dotted line.



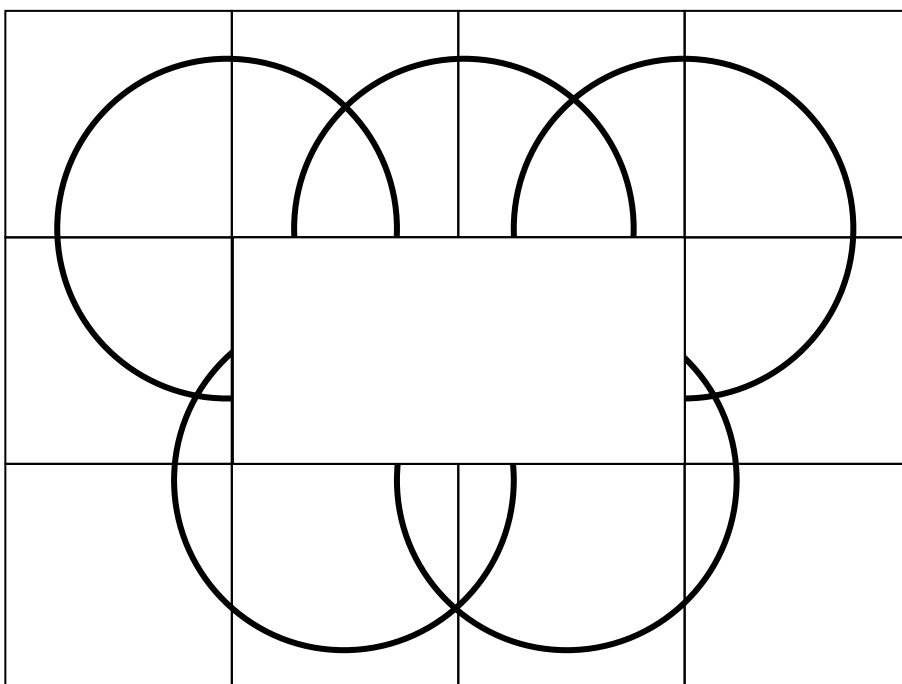
35. Tick the right-angle triangle.



36. Name the shape.



37. Finish the drawing as a pattern of 5 intersecting circles.



38. Solve the equation:

$$14 + 6 \div 3 - 2 = \boxed{}$$

39. Solve the equation:

$$(5 + 9) \div (6 + 1) = \boxed{}$$

40. Solve the equation:

$$32 - 8 \times 4 = 9 \div 3 - \boxed{}$$

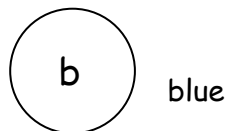
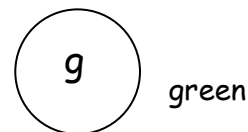
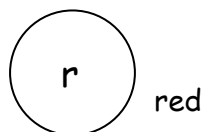
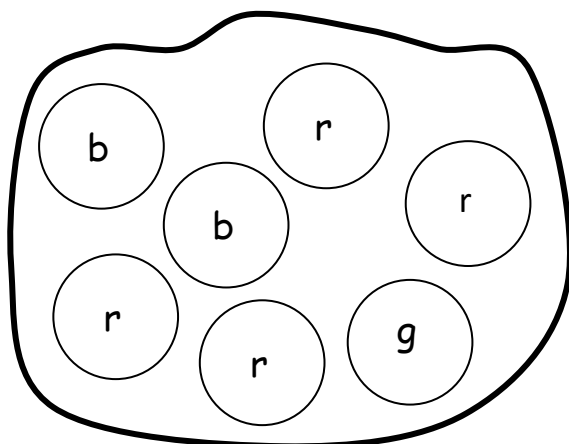
41. Write a rule for this sequence of numbers:

Rule

$y =$

x	y
0	2
1	4
2	6
3	8
4	10

42. Jane takes 1 counter out of the bag and without looking.

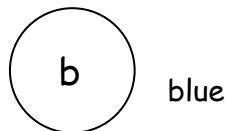
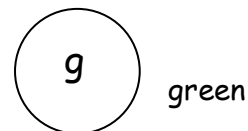
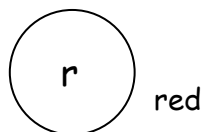
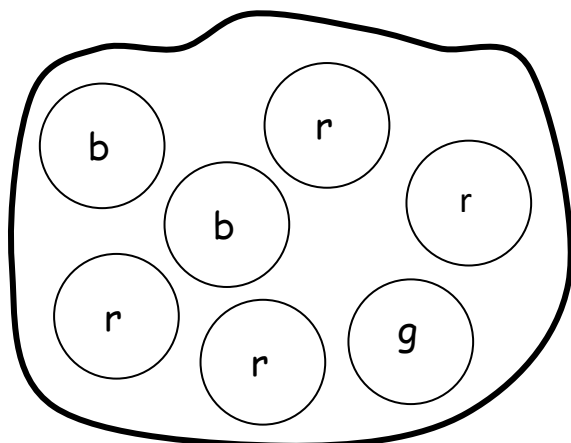


Yes

Does Jane have a better than 50/50 chance to take out a red counter?

No

43. Jane takes 4 counters out of the bag at the same time and without looking.



Yes

Is Jane certain to select a red counter? Tick your answer.

No

44. A bag contains 4 red counters and 4 blue counters:

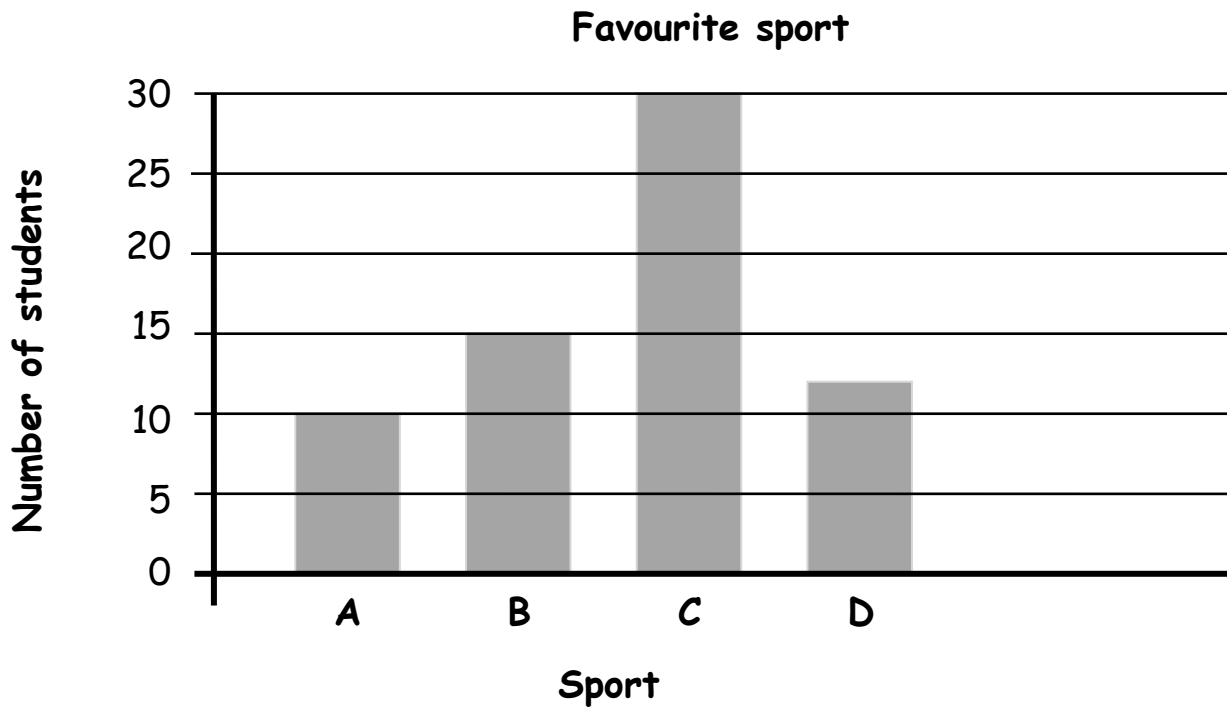
If you take 1 counter without looking, what is the probability that a blue counter will be taken from the bag? Tick your selection.

$\frac{1}{2}$	$\frac{1}{4}$	$\frac{1}{6}$	$\frac{1}{8}$
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

45. Some students chose their favourite sport. They made a graph.

- Netball was the most popular.
- Rugby was more popular than basketball.
- Soccer was more popular than rugby.

Which column shows basketball on the graph?



46. Gina recorded data about some of her family members.

Name	Gender	Height (cm)	Age (years)	Shoe size
Gary	male	182	27	12
Penny	female	166	42	8
Tom	male	175	13	6
Helen	female	159	12	5½

How did Gina order her data?

By gender By height By age By shoe size

49. Use the data below and the Carroll diagram to find out how many children had no hat and suncream.

- 9 children wore a hat and no suncream
- 14 children wore a hat
- 12 children had no hat
- 10 children had no suncream and no hat
- 7 children had suncream on

	Suncream	No Suncream
Hat		
No Hat		

50. This pie chart shows the sales of each in one week.

In this week 100 magazines were sold.

How many books were sold? Tick your answer.

- 100
 50
 25
 75

