

Year 6 Mathematics

Mock Paper A

35 questions • 35 practice marks

Name: _____

Class: _____ Date: _____

Before you begin

- Read each question carefully.
- Use the two answer sheets at the back. For a choice question, write its letter. For other questions, write your answer.
- You can show your working beside the question or on spare paper.
- If a question is tricky, try the next one. Come back to it later.
- Check your answers when you finish.

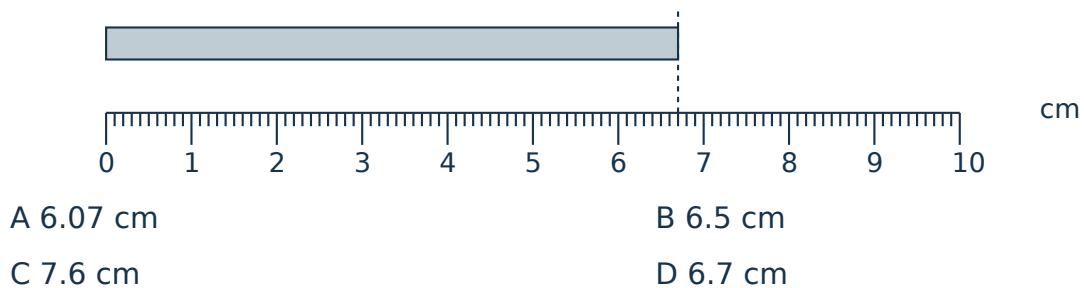
Teacher: choose a suitable pace. Suggested practice: two sessions of 17 and 18 questions. Confirm calculator and reading-support arrangements before starting. These are practice suggestions, not official SMART rules.

Original MrColeman Maths practice. Not an official SMART assessment.

- 01** Four museum tickets cost \$18 each. What is the total cost?

Write your answer on the answer sheet.

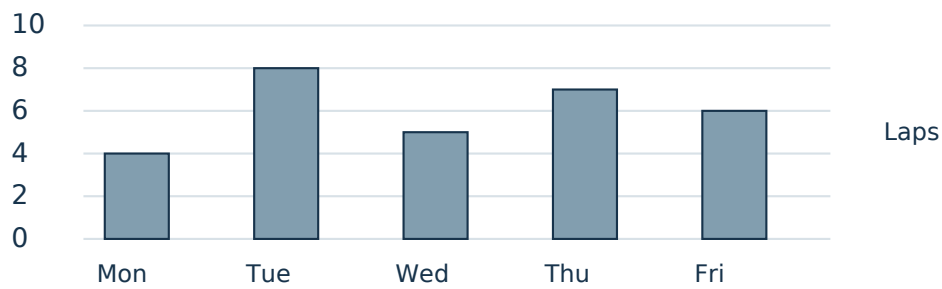
- 02** The strip starts at 0. Read its length in centimetres.



- 03** Which calculation has the same value as 5×8 ?

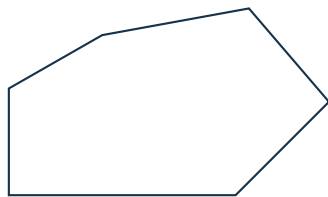
A 6×7 B 4×10
C 5×9 D 4×8

04 How many laps were completed on Thursday?



- A 5 B 8
C 7 D 6

05 Which name describes the shape?



- A Irregular hexagon
B Irregular octagon
C Regular hexagon
D Regular octagon

06 Which is 407 030 in words?

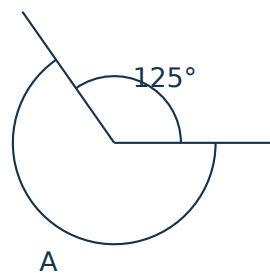
- A Forty-seven thousand and thirty
B Four hundred and seven thousand and thirty
C Four hundred and seventy thousand and three
D Four hundred thousand, seven hundred and thirty

- 09** Practice starts at 2:45 pm and ends at 3:25 pm. How long is it?
- | | |
|--------------|--------------|
| A 30 minutes | B 80 minutes |
| C 40 minutes | D 35 minutes |

- 10** A warehouse receives 3 168 books, then 2 457 books. How many arrive altogether?

Write your answer on the answer sheet.

- 11** One angle between the rays is 125° . Find the remaining reflex angle A around the point.



Not to scale

A 245°

B 55°

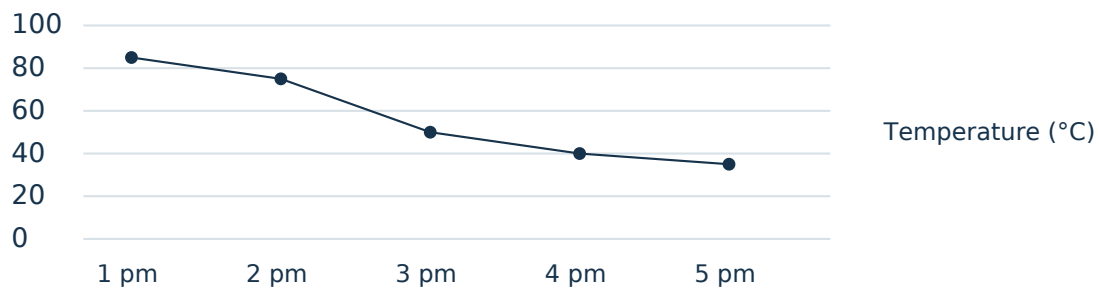
C 125°

D 235°

- 12** $__ \times 8 = 136$. What is the missing number?

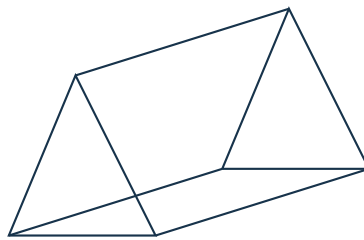
Write your answer on the answer sheet.

- 13** Between which two times did the temperature decrease the most?



- A 1 pm to 2 pm
B 2 pm to 3 pm
C 3 pm to 4 pm
D 4 pm to 5 pm

- 14** How many vertices does this triangular prism have?



- A 5
B 9
C 8
D 6

- 15** Which value is smallest?

- A 0.58
B $\frac{5}{8}$
C 62%
D $\frac{3}{5}$

16 Calculate $3\,659 \div 6$.

A 609 remainder 5

B 609 remainder 3

C 619 remainder 5

D 600 remainder 5

17 What is the digit in the hundredths place in 7.463?

Write your answer on the answer sheet.

18 A box holds 25 muffins. Ten are blueberry. What is the probability of randomly choosing blueberry, as a percentage?

A 25%

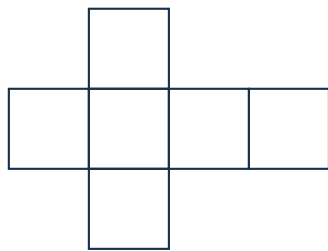
B 60%

C 10%

D 40%

- 19** A player earns 760 points and then 480 points. They spend 350 points. How many points remain?
- A 1 590
B 1 240
C 890
D 790

- 20** This net folds into a closed solid. What solid does it make?



- A Square-based pyramid B Cube
C Triangular prism D Cylinder

- [illegible]

- 22** A box holds 750 g of oats. Someone uses 45 g each day for 8 days. How much is left?
- | | |
|---------|---------|
| A 360 g | B 390 g |
| C 705 g | D 405 g |

-
- 23** A rectangle has area 56 m² and length 8 m. Find its perimeter.
- | | |
|--------|--------|
| A 15 m | B 28 m |
| C 30 m | D 64 m |

-
- 24** A plant is 1.64 m tall and another is 1.49 m tall. What is the difference in height?
- | | |
|----------|----------|
| A 1.15 m | B 0.13 m |
| C 0.25 m | D 0.15 m |
-

25 Convert 1.65 m to centimetres.

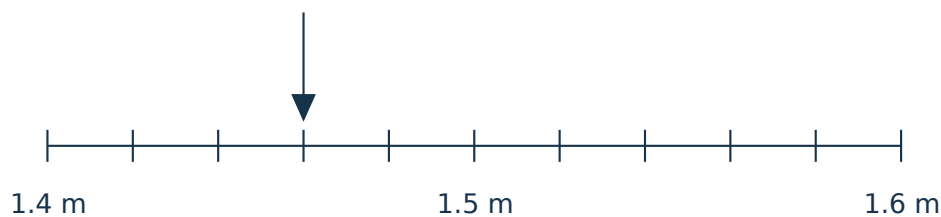
A 16.5 cm

B 1 650 cm

C 165 cm

D 105 cm

26 Read the length marked by the arrow. Each small interval is 0.02 m.



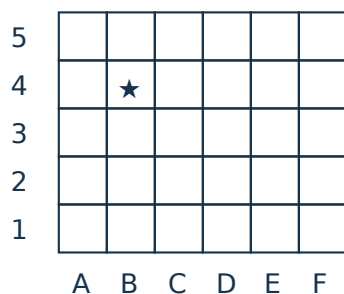
A 1.48 m

B 1.46 m

C 1.42 m

D 1.44 m

27 Each square represents 50 m. Start at B4, walk 100 m east, then turn 90° clockwise and walk 50 m. Where do you finish?



N ↑

W ← → E

S ↓

A D5

B E3

C D3

D C3

- 28** The rule is double the number, then add 4. Continue: 3, 10, 24, 52, __.

Write your answer on the answer sheet.

-
- 29** A bag contains 4 red, 3 blue and 5 green counters. What is the probability of picking red OR blue?

A $\frac{7}{5}$

B $\frac{5}{12}$

C $\frac{7}{12}$

D $\frac{1}{12}$

-
- 30** Which number is both a square number and a multiple of 4?

A 64

B 48

C 38

D 25

- 31** A festival has 146 300 visitors. Ten percent arrive by bus. How many arrive by bus?
- A 1 463 000
B 146 300
C 14 630
D 1 463

- 32** The lowest temperature is -4°C and the highest is 9°C . Find the difference.
- A 9°C B 5°C
- C 13°C D -13°C

- 33** The highest temperatures on four days are 12°C , 16°C , 9°C and 15°C . Find the mean.

Write your answer on the answer sheet.

- 34** A repairer charges a \$35 booking fee plus \$25 per hour. The bill is \$135. How many hours were worked?

Write your answer on the answer sheet.

-
- 35** A researcher marks $\frac{3}{5}$ of the turtles in a pond. There are 27 marked turtles. How many turtles are in the pond?

A 81

B 36

C 54

D 45

Answers 1-18

Name: _____ Class: _____

1 Answer: _____

2 A / B / C / D: _____

3 A / B / C / D: _____

4 A / B / C / D: _____

5 A / B / C / D: _____

6 A / B / C / D: _____

7 A / B / C / D: _____

8 A / B / C / D: _____

9 A / B / C / D: _____

10 Answer: _____

11 A / B / C / D: _____

12 Answer: _____

13 A / B / C / D: _____

14 A / B / C / D: _____

15 A / B / C / D: _____

16 A / B / C / D: _____

17 Answer: _____

18 A / B / C / D: _____

Answers 19-35

Name: _____ Class: _____

19 A / B / C / D: _____

20 A / B / C / D: _____

21 A / B / C / D: _____

22 A / B / C / D: _____

23 A / B / C / D: _____

24 A / B / C / D: _____

25 A / B / C / D: _____

26 A / B / C / D: _____

27 A / B / C / D: _____

28 Answer: _____

29 A / B / C / D: _____

30 A / B / C / D: _____

31 A / B / C / D: _____

32 A / B / C / D: _____

33 Answer: _____

34 Answer: _____

35 A / B / C / D: _____