

# Test 20

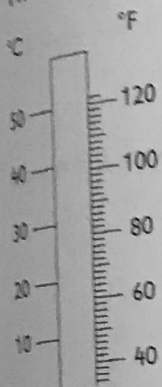
You have 10 minutes to complete this test.

You have 10 questions to complete within the given time.



Circle the letter next to the correct answer.

1 The thermometer below shows scales for Fahrenheit ( $^{\circ}\text{F}$ ) and Celsius ( $^{\circ}\text{C}$ ).



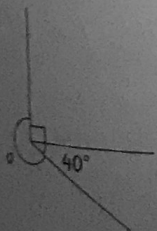
Which of the following is closest to  $20^{\circ}\text{C}$ ?

A	B	C	D	E
105 $^{\circ}\text{F}$	80 $^{\circ}\text{F}$	120 $^{\circ}\text{F}$	70 $^{\circ}\text{F}$	85 $^{\circ}\text{F}$

2 What is 86237 rounded to the nearest ten thousand?

A	B	C	D	E
90000	87000	86000	80000	86200

3 What is the size of angle  $a$  in the diagram below?



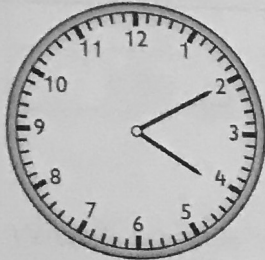
A	B	C	D	E
225 $^{\circ}$	235 $^{\circ}$	230 $^{\circ}$	150 $^{\circ}$	125 $^{\circ}$

Questions continue on next page

- 4 A square has an area of  $4 \text{ cm}^2$ . The sides of the square are enlarged by a scale factor of 2. What is the area of the enlarged square?

A	B	C	D	E
$2 \text{ cm}^2$	$20 \text{ cm}^2$	$8 \text{ cm}^2$	$4 \text{ cm}^2$	$16 \text{ cm}^2$

- 5 The image below shows the time on Zara's watch in the afternoon.



Her watch is 10 minutes slow. Zara's favourite TV show starts at 5.10 pm.

How long must she wait until her favourite show starts?

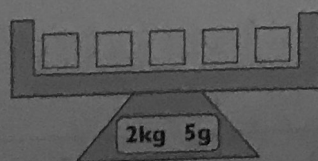
A	40 minutes
B	1 hour
C	50 minutes
D	25 minutes
E	1 hour 10 minutes

- 6 Henry's printer prints 25 sheets of paper per minute.

How many sheets of paper can his printer print in 5 hours?

A	B	C	D	E
7500	1300	3000	1250	1500

- 7 This scale shows the weight of 5 identical blocks.



What is the weight of each block?

A	B	C	D	E
410 g	405 g	310 g	200 g	401 g

Which of the following equals  $\frac{2.76}{0.4}$ ?

A	B	C	D	E
0.69	6.9	0.68	69	690

$\frac{1}{3}X + X = 20$ .  
What is the value of  $X$ ?

A	B	C	D	E
12	18	9	15	6

Figure E is formed from three squares, each with a side length of 3 cm.

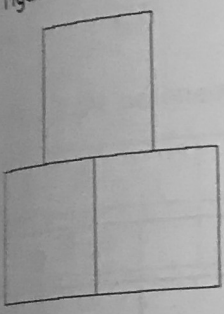


Figure E

What is the perimeter of Figure E?

A	B	C	D	E
24 cm	27 cm	36 cm	15 cm	21 cm