

## Verbal Reasoning

Each letter stands for a number. Work out the answer to each sum as a letter. Write your answer on the line.

Look at this example:

A = 1   B = 2   C = 3   D = 5   E = 8    $E - D = ( \underline{C} )$

1. A = 1   B = 3   C = 5   D = 7   E = 10    $D + B = ( \underline{E} )$

2. A = 2   B = 5   C = 6   D = 8   E = 12    $E \div A = ( \underline{C} )$

3. A = 1   B = 3   C = 7   D = 14   E = 17    $E - D = ( \underline{B} )$

4. A = 3   B = 5   C = 7   D = 15   E = 24    $B \times A = ( \underline{D} )$

5. A = 2   B = 8   C = 16   D = 20   E = 25    $C \div A = ( \underline{B} )$

6. A = 2   B = 7   C = 12   D = 14   E = 19    $E - B + A = ( \underline{D} )$

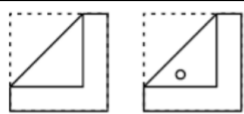
7. A = 3   B = 8   C = 9   D = 16   E = 20    $A + B + C = ( \underline{E} )$

8. A = 2   B = 3   C = 6   D = 12   E = 24    $E \div B - C = ( \underline{A} )$

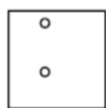
9. A = 2   B = 5   C = 6   D = 13   E = 16    $A \times B + C = ( \underline{E} )$

10. A = 2   B = 8   C = 12   D = 16   E = 24    $D \times A - B = ( \underline{E} )$

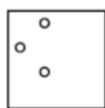
## Spatial Reasoning – Fold and punch & Fold along a line



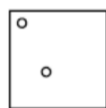
a)



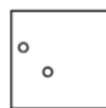
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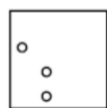
c)



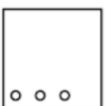
d)



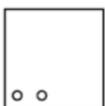
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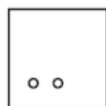
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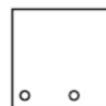
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c)



d)



e)



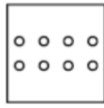
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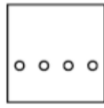
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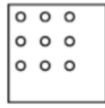
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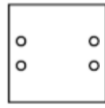
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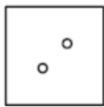
d)



e)



a)



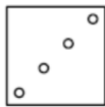
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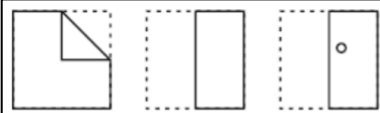
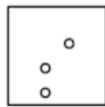
c)



d)



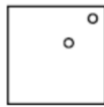
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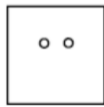
a)



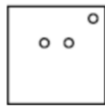
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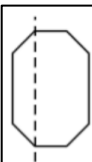
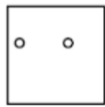
c)



d)



e)



a)



b)



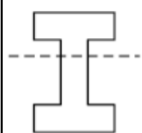
c)



d)



e)



a)



b)



c)




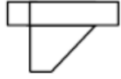




d)









e)









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a)	b)	c)	d)	e)
				






				
a)	b)	c)	d)	e)
				

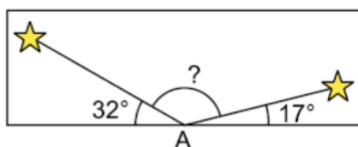
				
a)	b)	c)	d)	e)
				

**Maths – Angles**

Which of the following shapes has no obtuse angles?

a)	b)	c)	d)	e)
				

Oscar glues two star stickers to a piece of paper. He then draws a line from the centre of each star to point A on the edge of the paper.



What is the angle between the two lines he has drawn on the paper?

- ☐ a)  $148^\circ$
- ☒ b)  $131^\circ$
- ☐ c)  $41^\circ$
- ☐ d)  $109^\circ$
- ☐ e)  $163^\circ$

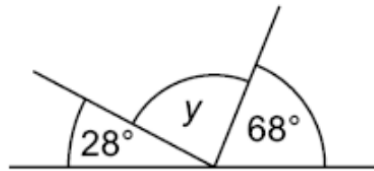
$$\begin{array}{r} 17 \\ + 32 \\ \hline 49 \end{array}$$

$$\begin{array}{r} 180 \\ - 49 \\ \hline 131 \end{array}$$

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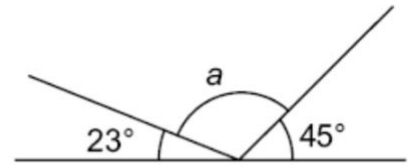
What is the size of angle  $y$ ?

$$\begin{array}{r} 28 \\ + 68 \\ \hline 96 \\ 1 \\ \hline 108 \\ - 96 \\ \hline 12 \end{array}$$



- ☐ a)  $88^\circ$   
☐ b)  $74^\circ$   
☐ c)  $54^\circ$   
☒ d)  $84^\circ$   
☐ e)  $78^\circ$

What is the size of angle  $a$  in this diagram?

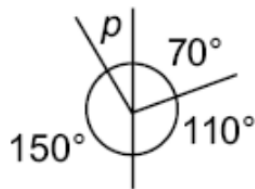


- ☐ a)  $123^\circ$   
☐ b)  $135^\circ$   
☒ c)  $112^\circ$   
☐ d)  $122^\circ$   
☐ e)  $102^\circ$

$$\begin{array}{r} 23 \\ - 45 \\ \hline 68 \\ 108 \\ - 68 \\ \hline 112 \end{array}$$

Look at the diagram.

$$\begin{array}{r} 150 \\ + 170 \\ \hline 320 \\ 1 \\ \hline 330 \end{array}$$



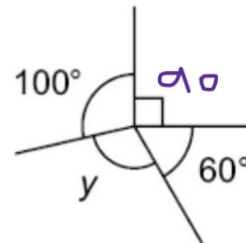
What size is angle  $p$ ?

$$\begin{array}{r} 360 \\ - 330 \\ \hline 30 \end{array}$$

- ☐ a)  $10^\circ$   
☐ b)  $110^\circ$   
☒ c)  $30^\circ$   
☐ d)  $70^\circ$   
☐ e)  $20^\circ$

What is the size of angle  $y$  in this diagram?

$$\begin{array}{r} 100 \\ + 90 \\ + 60 \\ \hline 250 \\ 1 \\ \hline 260 \end{array}$$



$$\begin{array}{r} 360 \\ - 250 \\ \hline 110 \end{array}$$

- ☐ a)  $80^\circ$   
☐ b)  $100^\circ$   
☐ c)  $120^\circ$   
☐ d)  $90^\circ$   
☒ e)  $110^\circ$

1. Which angle is a right angle?

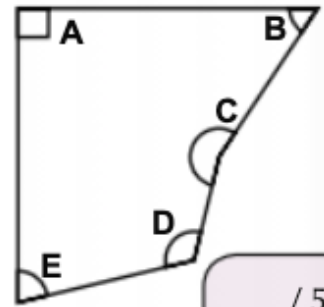
Answer: a

Answer: C

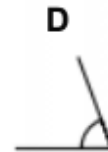
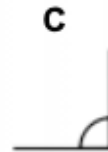
Answer: b and e

Answer:  $\sigma$

Answer: C



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Answer: 6

Answer: 1

Answer: e

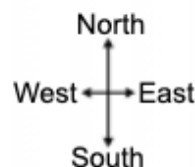
Answer: d

Answer: C

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0      1      2      3      4

Answer: 270

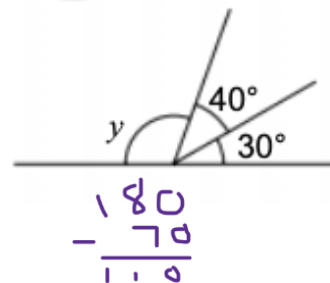
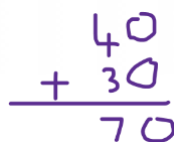


Circle the correct answer.

90° 120° 240° 180° 150°


$$\begin{array}{r} 030 \\ 12 \overline{) 360} \end{array}$$

Answer: 110



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## Winter Time

Late lies the wintry sun a-bed,  
 A frosty, fiery sleepy-head;  
 Blinks but an hour or two; and then,  
 A blood-red orange, sets again.

- 5 Before the stars have left the skies,  
 At morning in the dark I rise;  
 And shivering in my nakedness,  
 By the cold candle, bathe and dress.

Close by the jolly fire I sit

- 10 To warm my frozen bones a bit;  
 Or with a reindeer-sled, explore  
 The colder countries round the door.

When to go out, my nurse doth wrap  
 Me in my comforter\* and cap;

- 15 The cold wind burns my face, and blows  
 Its frosty pepper up my nose.

Black are my steps on silver sod\*\*;  
 Thick blows my frosty breath abroad;  
 And tree and house, and hill and lake,

- 20 Are frosted like a wedding-cake.

by Robert Louis Stevenson

\*comforter — *a scarf*

\*\*sod — *soil*

1. Which of these things is not mentioned in the poem?

A Sun  
 B Fire  
 C Candle  
 D Stars  
 E Moon

2. What does the nurse do?

A Make clothes for the child.  
 B Put the child to bed.  
 C Dress the child.  
 D Wake the child up.  
 E Take the child out to play.

3. Why does the child dress by candlelight?

A The child is cold.  
 B It is night time.  
 C It is dark in the morning.  
 D The child doesn't want to wake anyone else.  
 E The child is scared of the dark.

4. What happens in lines 15-16?

A The wind has black specks in it.  
 B The wind is so hot that it burns the child's face.  
 C Somebody spills pepper.  
 D The wind is so cold that it stings the child's face.  
 E The child can't stop sneezing.

5. Which of these events happens last in the poem?

A The child goes outside.  
 B The child gets up in the dark.  
 C The child shivers in the candlelight.  
 D The child washes and gets dressed.  
 E The child gets warm by the fire.

6. What is the first verse about?

A The stars twinkling in the sky.  
 B The sun melting the snow.  
 C The sun rising and setting.  
 D The child getting up late.  
 E The child playing in the sun.

7. In line 17, the child notices that the frost is melted by:

A the rain.  
 B pepper.  
 C the fire.  
 D the reindeer sled.  
 E footsteps.

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8. Which of these words is closest in meaning to "shivering" (line 7)?

- ☒ A Trembling
- ☐ B Sobbing
- ☐ C Heating
- ☐ D Hurting
- ☐ E Freezing

9. Which of these words is closest in meaning to "jolly" (line 9)?

- ☒ A Merry
- ☐ B Friendly
- ☐ C Warm
- ☐ D Excited
- ☐ E Funny

10. Which of the following is closest in meaning to "explore" (line 11)?

- ☐ A Move from
- ☒ B Travel around
- ☐ C Arrive
- ☐ D Depart from
- ☐ E Admire

11. "To warm my frozen bones a bit" (line 10). Which of these words is an adjective?

- ☐ A warm
- ☐ B my
- ☒ C frozen
- ☐ D bones
- ☐ E bit

12. "hill and lake, / Are frosted like a wedding-cake." (lines 19-20). This is an example of:

- ☐ A a metaphor.
- ☒ B a simile.
- ☐ C a question.
- ☐ D an apostrophe.
- ☐ E an exclamation.

/:

In each sentence, there is one punctuation mistake. Circle the letter which matches the part of the sentence with the mistake.

13. Rose was hoping to invite Josh, Sven Paula and Andy to the evening football match.

☐ A ☐ B ☒ C ☐ D ☐ E

14. Brian's children, Ana and Meg, were really looking forward to their holiday in france.

☐ A ☐ B ☐ C ☐ D ☒ E

15. Mrs Jones was determined, to finish her novel and worked hard on it every day.

☐ A ☒ B ☐ C ☐ D ☐ E

16. The tiger which looked as though it was asleep, suddenly jumped up with a roar!

☒ A ☐ B ☐ C ☐ D ☐ E

17. After walking on the moor, Phil's shoes were covered in thick, mud, grass and leaves.

☐ A ☐ B ☐ C ☒ D ☐ E

18. The evil mouse threatened the terrified crowd. Give me all your cheese or else!"

☐ A ☐ B ☒ C ☐ D ☐ E

19. The ballet class are really excited because theyre going to London to see Swan Lake.

☐ A ☐ B ☒ C ☐ D ☐ E

20. Parvati hid behind a cushion and said, trembling, "This part of the film is really scary"!

☐ A ☐ B ☒ C ☐ D ☐ E

In each sentence, there is one spelling mistake. Circle the letter which matches the part of the sentence with the mistake.

21. The pilot landed the plane safely on the runway during the awful storm.

A B C D E

22. The cat was a pityful sight when she came in looking like a drowned rat.

A B C D E

23. Many people believe that you will get seven years bad luck if you brake a mirror.

A B C D E

24. Ice skating is really fun and has become very populer on outdoor rinks at Christmas.

A B C D E

25. The duckling waddled across the garden, dragging a wiggling worm along behind it.

A B C D E

Choose the right word or phrase to fill the gap.  
Circle the letter which matches the correct word.

26. Riding a unicycle requires an excellent sense **if about in to of** balance.

A B C D E

27. I **bought bring brought buy buyed** one from a junk shop last week and

A B C D E

28. I've been practising in the park **away beside next in front between** our house.

A B C D E

29. At first, I **wouldn't haven't mustn't couldn't shouldn't** even stay upright

A B C D E

30. for two seconds, but now I can **rode riding ride rider rid** with my eyes closed!

A B C D E