Q4 The storm brought down a power line, so engineers had to _____**connect** the supply before repairs could safely begin.

Which of the following prefixes could be added to the word 'connect' above to make the sentence correct?

A	B	C	D	E
re-	dis-	inter-	non-	de-

Q5 Which of the following words is the best synonym for the word 'ponder'?

A	B	C	D	E
wander	consider	announce	dismiss	doubt

[redacted]

SAMPLE

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Mathematics

(20 minutes)

Work out the answer to each question.
Answer by shading one of the ovals A to D on your answer sheet.
You must not use a calculator.

Q1 Vikram cycles to his cousin's house, 42 km away, at a constant speed of 28 km/h.
How long does Vikram's journey take?

A. 110 minutes
B. 90 minutes
C. 40 minutes
D. 70 minutes

Q2 An isosceles triangle has one angle that measures 40°. What is the largest possible size of one of the unknown angles?

A. 100°
B. 70°
C. 90°
D. 140°

[redacted]

SAMPLE

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[illegible]

[illegible]

[illegible]

[illegible]

Q1 **B**, 90 minutes

Step 1: In 1 hour, Vikram covers 28 km. Therefore, in half an hour, Vikram covers 28 ÷ 2 = 14 km.

Step 2: 28 + 14 = 42 km. So, it takes Vikram 60 + 30 = 90 minutes to cycle to his cousin's house.

Q2 **A**, 100°

Step 1: The angles in a triangle sum to 180°, and an isosceles triangle has two equal angles. If both angles are 40°, then the unknown angle = 180 – 80 = 100°.

Step 2: 180 – 40 = 140°. If the two unknown angles are equal, they must each be 140 ÷ 2 = 70°.

100° is larger than 70°, so this must be our correct answer.

[illegible]

[illegible]

[illegible]

[illegible]

SAMPLE

Go to next page.

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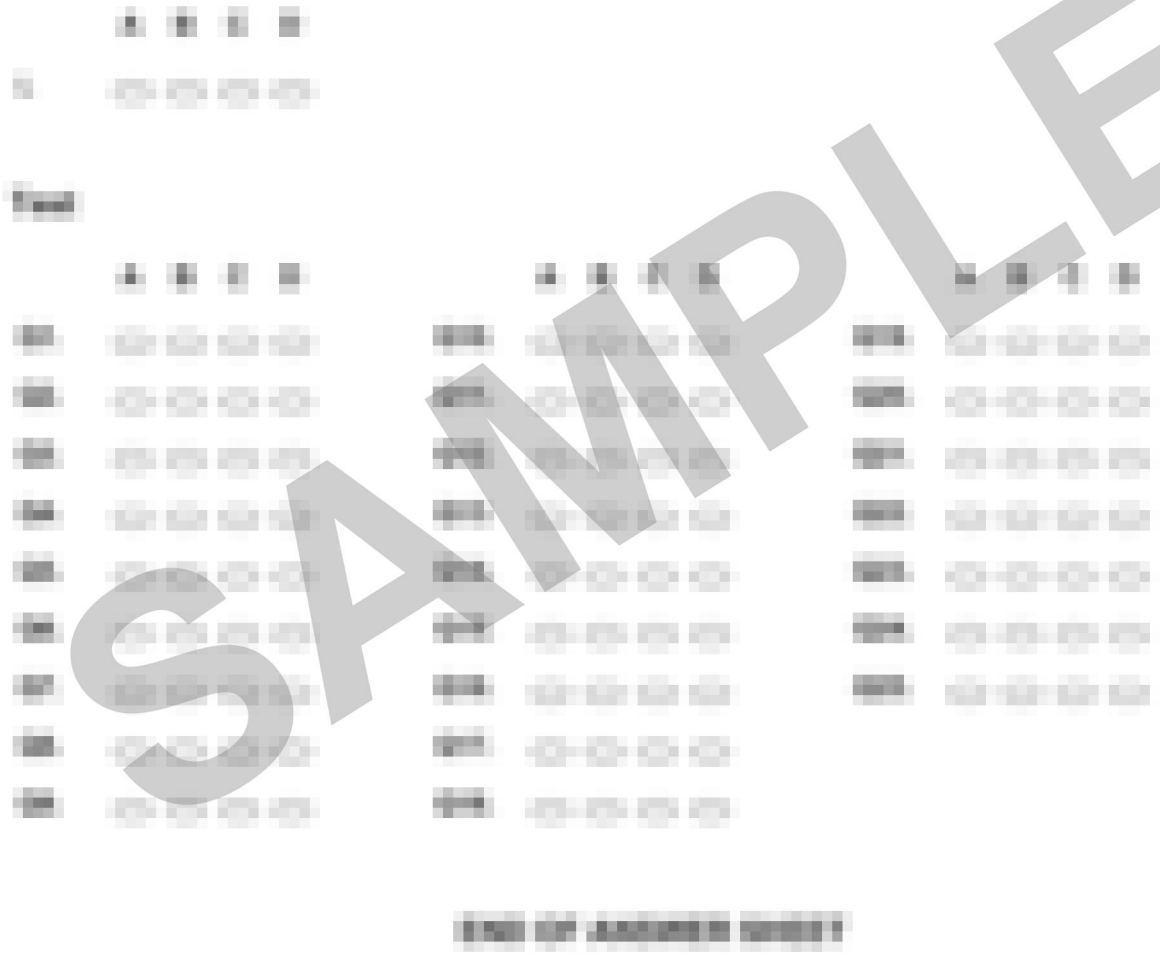
Mathematics

Example

	A	B	C	D
A.	●	○	○	○

Practice



SAMPLE

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