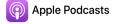# ISEB Common Pre-Test Mathematics Paper 1 Answers

THE EXAM COACH

- To receive free 11+ practice papers/answers and preparation workshops every week subscribe to our email newsletter.
  Just visit www.theexamcoach.tv

- Our youthful super-tutors deliver the best 11 Plus exam preparation courses on the internet. Use us to prepare your child for grammar and independent school entrance in the UK.
  Visit www.theexamcoach.tv/courses to book!

- If you're searching for information on your target school, visit our school guide pages.
  https://www.theexamcoach.tv/grammar-school-guides

- Want to expand your child's vocabulary? Listen to The Exam Coach Podcast on Amazon Alexa, Apple Podcasts, Amazon Music, Spotify and YouTube. New episodes are released every day.

amazon alexa   Apple Podcasts   amazon music   Spotify   YouTube

Question	Answer
1	**A** 5 10 ÷ 2 = 5
2	**D** 10 10 is a multiple of 2 and 10
3	**B** 18.9 2.1 x 9 = 18.9 kg
4	**C** 77.3 231.9 ÷ 3 = 77.3
5	**E** 33.4 The 1 in the hundredth's place rounds down.
6	**C** 23.97 cm 24.3 - 0.33 = 23.97 cm
7	**D** Trapezium The shape has 1 pair of parallel sides - a key sign of a trapezium.
8	**D** £84 20% of 70 = £14 70 + 14 = £84
9	**A** £16 41 - 25 = £16
10	**B** 7 20% of 35 = 7
11	**D** 10 8 + 4 + 12 = 24 24 - 14 = 10 coins left
12	**C** 1/40 Multiply the numerators together and the denominators together to get 1/40
13	**B** £1.95 12.40 + 3.65 + 0.55 + 0.55 + 0.9 = £18.05 20 - 18.05 = £1.95
14	**E** 12 mm^2 Area = base x perpendicular height ÷ 2

	$= 6 \times 4 \div 2 = 12 \text{ mm}^2$
15	**A** 69 Each new term is 8 less than the previous term.
16	**D** 28p 1.96 ÷ 7 = £0.28 or 28p
17	**E** 1/3 1 even number out of 3
18	**B** 2 3 + 3b = 9 3b = 6 b = 2
19	**B** 16 Each new term is twice that of the previous term
20	**D** r + 18 Anna has 18 more than r
21	**E** 3 (3 x 0) + (3 x 2) + 3 + (3 x 4) + (3 x 6) = 39 There are 13 students in total 39 ÷ 13 = 3
22	**B** 39 people Cars: 5 x 3 = 15 Vans: 3 x 8 = 24 24 + 15 = 39
23	**C** 6 hours She prepares 2 kg dough in 1 hour So she can prepare 12 kg dough in 6 hours
24	**C** 3 Mode - most common number
25	**D** £683 704 - 21 = £683
26	**A** 8:17 Ratio: 16:34 = 8:17
27	**B** £300 10 + 7 + 7 + 6 = 30 hours total 30 x 10 = £300
28	**E** 57

	14 + 18 + 25 = 57 highlighters in total
29	**B** 16 m² Average of the parallel sides = (2 + 6) ÷ 2 = 4 4 x 4 = 16 m²
30	**B** 3:30 pm 30 min + 1 hours + 30 min = 2 hours 2 hours before 5:30 = 3:30
31	**C** hundreds
32	**E** 17,004 4251 x 4 = 17 004
33	**A** 504 42 x 12 = 504 months
34	**C** 42° 90 + 48 = 138° 180 - 138 = 42°
35	**D** 65% 20 is ⅕ of 100 So, 13 x 5 = 65%
36	**B** Cylinder
37	**E** £3.50 Breakfast: 0.90 + 0.85 = £1.75 Lunch: 1.65 + 2.90 + 0.7 = £5.25 5.25 - 1.75 = £3.50
38	**D** 266 3 + 4 + 7 = 14 packs total 19 x 14 = 266 bouncy balls
39	**B** 38 14 + 4 + 20 = 38 beads
40	**D** 50.24 ft² Area = π x r² = 3.14 x 4² = 50.24 ft²
41	**B** 8 27 ÷ 3 = 9 So the consecutive numbers must be 8, 9, 10
42	**B** £94

	20% of 95 = £19 75 + 19 = £94
43	**A** 10 4 + 6 = 10 people
44	**C** 2 28 + 15 + 28 = 71 71 - 9 - 60 = 2 stickers left
45	**C** 473 cm² Big rectangle: 29 x 25 = 725 cm² Small rectangle: 18 x 14 = 252 cm² 725 - 252 = 473 cm²
46	**A** 42,300 g 42.3 x 1000 = 42,300 g
47	**D** £12 25 + 7 = £32 32 - 4 - 4 - 12 = £12
48	**E** 64 Cars: 14 x 4 = 56 Bicycles: 4 x 2 = 8 56 + 8 = 64
49	**C** 27 blocks 5 + 8 + 5 + 9 = 27 blocks
50	**E** 88 cm² Big cuboid: 5 x 8 x 2 = 80 cm² Small cuboid = 4 x 2 x 1 = 8 cm² 80 + 8 = 88 cm²
Total	**/50**

If you'd like to improve your child's score, please visit www.theexamcoach.tv and join our 11+ preparation workshops and courses. Free tasters run at least once a week.