10.2-2 Arithmetic Practice Paper 2: 2-hour Pack

Calculators not allowed · about 120 minutes

Total Marks

Name: _____ Date: ____ / ____ / _____

Answer ALL questions. Show all your working.

1 255 + 137 + 326 =

Answer: ___

(1)

2 15.06 - 7.76 =

Answer: ___

(1)

3 27 x 1000 =

(1)

4 7/9 - 2/9 =

(1)

5 30% of 250 =

(1)

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6 (12 - 4) x 3 =

(1)

7 3/4 x 8 =

(1)

8 2 1/4 + 1 3/4 =

(1)

9 60% of 45 =

(1)

10 6.5 x 4 =

(1)

11 3 cubed =

(1)

12 4200 - 1850 =

(1)

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13 5/6 - 1/3 =

(1)

14 6 x 9 =

(1)

15 20 - (2 + 3 x 4) =

(1)

16 427 x 36 =

(2)

17 692 x 58 =

(2)

18 6768 divided by 24 =

(2)

19 5/8 of 96 =

(1)

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20 91393 - 75165 =

Answer: ___

(1)

---

21 79.0 x 5 =

Answer: ___

(1)

---

22 8/10 - 2/6 =

Answer: ___

(2)

---

23 84 divided by 7 =

(1)

---

24 -9 + 2 =

Answer: ___

(1)

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25 18 divided by 3 + 9 x 18 =

Answer: ___

(2)

---

26 7.8 x 0.2 =

Answer: ___

(1)

---

27 4/8 x 1/3 =

Answer: ___

(2)

---

28 54.9 x 3 =

Answer: ___

(1)

---

29 5 2/3 + 1 1/3 =

Answer: ___

(2)

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30 62.6 x 6 =

Answer: ___

(1)

---

31 4.3 + 2.6 =

(1)

---

32 6.4 x 5 =

Answer: ___

(1)

---

33 4 cubed =

Answer: ___

(1)

---

34 (3 + 4) x 6 - 20 =

Answer: ___

(1)

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35 11/12 + 4/6 =

Answer: ___

(2)

---

36 1/4 divided by 3 =

Answer: ___

(2)

---

37 353.2 divided by 4 =

Answer: ___

(1)

---

38 5/8 x 2/6 =

Answer: ___

(1)

---

39 7/10 + 1/2 =

Answer: ___

(2)

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40 3907 x 45 =

Answer: ___

(2)

---

41 3396 x 52 =

Answer: ___

(2)

---

42 10% of 32 =

Answer: ___

(1)

---

43 646.8 divided by 7 =

Answer: ___

(1)

---

44 7/8 - 2/8 =

Answer: ___

(2)

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45 4 2/5 + 3 4/10 =

Answer: ___

(1)

---

46 59.6 x 8 =

Answer: ___

(1)

---

47 103 + 622 + 977 =

Answer: ___

(1)

---

48 4 1/3 + 4 2/6 =

Answer: ___

(2)

---

49 2/5 + 1/5 =

(1)

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50 10 squared =

Answer: ___

(1)

---

51 4/5 x 7 =

Answer: ___

(1)

---

52 12077 divided by 13 =

Answer: ___

(2)

---

53 9/10 + 8/10 =

Answer: ___

(1)

---

54 40% of 108 =

Answer: ___

(1)

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55 93937 + 984 =

Answer: ___

(1)

---

56 4025 - 951 =

Answer: ___

(1)

---

57 15 + 3 x 4 =

(1)

---

58 4/5 x 3/6 =

Answer: ___

(2)

---

59 39543 divided by 49 =

Answer: ___

(2)

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60 36.77 - 4.84 =

Answer: ___

(1)

---

61 2/3 + 1/3 =

Answer: ___

(2)

---

62 5/10 + 5/10 =

Answer: ___

(2)

---

63 60% of 44 =

Answer: ___

(1)

---

64 2/4 + 10/12 =

Answer: ___

(2)

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65 1/2 x 1/2 =

Answer: ___

(1)

---

66 6 - 3.75 =

(1)

---

67 17.78 - 4.23 =

Answer: ___

(1)

---

68 3/6 + 1/2 =

Answer: ___

(2)

---

69 89.86 + 3.62 =

Answer: ___

(1)

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70 15272 divided by 23 =

Answer: ___

(2)

---

71 44698 + 216 =

Answer: ___

(1)

---

72 997 + 960 =

Answer: ___

(1)

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Mark scheme · 10.2-2 Arithmetic Practice Paper 2: 2-hour Pack

A correct answer earns full marks unless the question asks for working, a method, proof or explanation.

Question 1

718 cao **B1**

Answer: **718**

Question 2

7.3 cao **B1**

Answer: **7.3**

Question 3

27000 **B1**

Answer: **27000**

[5C6]

[5C6]

Question 4

5/9 **B1**

Answer: **5/9**

[5F4]

[5F4]

Question 5

75 **B1**

Answer: **75**

[6F9]

[6F9]

Question 6

24 (brackets first: 8 x 3) **B1**

Answer: **24**

[6C9]

[6C9]

Question 7

6 **B1**

Answer: **6**

[6F5]

[6F5]

Question 8

4 (oe: 16/4) **B1**

Answer: **4**

[6F4]

[6F4]

Question 9

27 **B1**

Answer: **27**

[6F9]

[6F9]

Question 10

26 **B1**

Answer: **26**

[5C7]

[5C7]

Question 11

27 **B1**

Answer: **27**

[5C4]

[5C4]

Question 12

2350 **B1**

Answer: **2350**

[4C2]

[4C2]

Question 13

1/2 **B1**

Answer: **1/2**

[6F4]

[6F4]

Question 14

54 **B1**

Answer: **54**

[3C6]

[3C6]

Question 15

6 (order of operations: bracket evaluated first, 2 + 12 = 14) **B1**

Answer: **6**

[6C9]

[6C9]

Question 16

15372 **B2**

formal method of long multiplication with not more than one arithmetic error (STA rubric) **B1**

Answer: **15372**

[6C7]

[6C7]

Question 17

40136 **B2**

formal method of long multiplication with not more than one arithmetic error (STA rubric) **B1**

Answer: **40136**

[6C7]

[6C7]

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Question 18

282 **B2**

formal method of division with not more than one arithmetic error (STA rubric) **B1**

Answer: **282**

[6C8]

[6C8]

Question 19

60 **B1**

Answer: **60**

[6F5]

[6F5]

Question 20

16228 cao **B1**

Answer: **16228**

Question 21

395 cao **B1**

Answer: **395**

Question 22

method seen **M1**

7/15 cao **A1**

Answer: **7/15**

Question 23

12 **B1**

Answer: **12**

[4C6]

[4C6]

Question 24

-7 cao **B1**

Answer: **-7**

Question 25

method seen **M1**

168 cao **A1**

Answer: **168**

Question 26

1.56 cao **B1**

Answer: **1.56**

Question 27

method seen **M1**

1/6 cao **A1**

Answer: **1/6**

Question 28

164.7 cao **B1**

Answer: **164.7**

Question 29

method seen **M1**

7 cao **A1**

Answer: **7**

Question 30

375.6 cao **B1**

Answer: **375.6**

Question 31

6.9 **B1**

Answer: **6.9**

[5C5]

[5C5]

Question 32

32 cao **B1**

Answer: **32**

Question 33

64 cao **B1**

Answer: **64**

Question 34

22 cao **B1**

Answer: **22**

Question 35

method seen **M1**

1 7/12 or 19/12 cao **A1**

Answer: **1 7/12**

Question 36

method seen **M1**

1/12 cao **A1**

Answer: **1/12**

Question 37

88.3 cao **B1**

Answer: **88.3**

Question 38

5/24 cao **B1**

Answer: **5/24**

Question 39

method seen **M1**

1 1/5 or 6/5 cao **A1**

Answer: **1 1/5**

Question 40

uses a formal written method with not more than one arithmetic error **M1**

175815 cao **A1**

Answer: **175815**

Question 41

uses a formal written method with not more than one arithmetic error **M1**

176592 cao **A1**

Answer: **176592**

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Question 42

3.2 cao **B1**

Answer: **3.2**

Question 43

92.4 cao **B1**

Answer: **92.4**

Question 44

method seen **M1**

5/8 cao **A1**

Answer: **5/8**

Question 45

7 4/5 or 39/5 cao **B1**

Answer: **7 4/5**

Question 46

476.8 cao **B1**

Answer: **476.8**

Question 47

1702 cao **B1**

Answer: **1702**

Question 48

method seen **M1**

8 2/3 or 26/3 cao **A1**

Answer: **8 2/3**

Question 49

3/5 **B1**

Answer: **3/5**

[5F4]

[5F4]

Question 50

100 cao **B1**

Answer: **100**

Question 51

5 3/5 or 28/5 cao **B1**

Answer: **5 3/5**

Question 52

uses a formal method of division with not more than one arithmetic error **M1**

929 cao **A1**

Answer: **929**

Question 53

1 7/10 or 17/10 cao **B1**

Answer: **1 7/10**

Question 54

43.2 cao **B1**

Answer: **43.2**

Question 55

94921 cao **B1**

Answer: **94921**

Question 56

3074 cao **B1**

Answer: **3074**

Question 57

27 (order of operations: 3 x 4 first) **B1**

Answer: **27**

[6C9]

[6C9]

Question 58

method seen **M1**

2/5 cao **A1**

Answer: **2/5**

Question 59

uses a formal method of division with not more than one arithmetic error **M1**

807 cao **A1**

Answer: **807**

Question 60

31.93 cao **B1**

Answer: **31.93**

Question 61

method seen **M1**

1 cao **A1**

Answer: **1**

Question 62

method seen **M1**

1 cao **A1**

Answer: **1**

Question 63

26.4 cao **B1**

Answer: **26.4**

Question 64

method seen **M1**

1 1/3 or 4/3 cao **A1**

Answer: **1 1/3**

Question 65

1/4 cao **B1**

Answer: **1/4**

Question 66

2.25 **B1**

Answer: **2.25**

[5C5]

[5C5]

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Question 67

13.55 cao	**B1**

Answer: **13.55**

Question 68

method seen	**M1**
1 cao	**A1**

Answer: **1**

Question 69

93.48 cao	**B1**

Answer: **93.48**

Question 70

uses a formal method of division with not more than one arithmetic error	**M1**
664 cao	**A1**

Answer: **664**

Question 71

44914 cao	**B1**

Answer: **44914**

Question 72

1957 cao	**B1**

Answer: **1957**

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