

Sample 11+ Assessment Test for the CEM Test — Maths

Pupil's name: _____

Test date: _____

School name: _____

Date of Birth

| Day | Month | Year |
|-----|-----------|------|
| [0] | January | 2005 |
| [1] | February | 2006 |
| [2] | March | 2007 |
| [3] | April | 2008 |
| [4] | May | 2009 |
| [5] | June | 2010 |
| [6] | July | 2011 |
| [7] | August | 2012 |
| [8] | September | 2013 |
| [9] | October | 2014 |
| | November | 2015 |
| | December | 2016 |

| Pupil Number | | | | | | School Number | | | | | |
|--------------|-----|-----|-----|-----|-----|---------------|-----|-----|-----|-----|-----|
| [0] | [0] | [0] | [0] | [0] | [0] | [0] | [0] | [0] | [0] | [0] | [0] |
| [1] | [1] | [1] | [1] | [1] | [1] | [1] | [1] | [1] | [1] | [1] | [1] |
| [2] | [2] | [2] | [2] | [2] | [2] | [2] | [2] | [2] | [2] | [2] | [2] |
| [3] | [3] | [3] | [3] | [3] | [3] | [3] | [3] | [3] | [3] | [3] | [3] |
| [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] |
| [5] | [5] | [5] | [5] | [5] | [5] | [5] | [5] | [5] | [5] | [5] | [5] |
| [6] | [6] | [6] | [6] | [6] | [6] | [6] | [6] | [6] | [6] | [6] | [6] |
| [7] | [7] | [7] | [7] | [7] | [7] | [7] | [7] | [7] | [7] | [7] | [7] |
| [8] | [8] | [8] | [8] | [8] | [8] | [8] | [8] | [8] | [8] | [8] | [8] |
| [9] | [9] | [9] | [9] | [9] | [9] | [9] | [9] | [9] | [9] | [9] | [9] |

Please mark
like this:

Sample Test

Answer multiple-choice questions by marking the correct box.

i

A

B

C

D

E

For write-in questions, put the correct number at the top, and mark it below. You might not need to use all the columns.

ii

3 8 cm

| | | |
|-----|-------------------------------------|-----|
| [0] | [0] | [0] |
| [1] | [1] | [1] |
| [2] | [2] | [2] |
| [3] | <input checked="" type="checkbox"/> | [3] |
| [4] | [4] | [4] |
| [5] | [5] | [5] |
| [6] | [6] | [6] |
| [7] | [7] | [7] |
| [8] | [8] | [8] |
| [9] | [9] | [9] |

Section A

1

A

B

C

D

E

2

minutes

| | | |
|-----|-----|-----|
| [0] | [0] | [0] |
| [1] | [1] | [1] |
| [2] | [2] | [2] |
| [3] | [3] | [3] |
| [4] | [4] | [4] |
| [5] | [5] | [5] |
| [6] | [6] | [6] |
| [7] | [7] | [7] |
| [8] | [8] | [8] |
| [9] | [9] | [9] |

3

A

B

C

D

E

4

A

B

C

D

E

5

A

B

C

D

E

6

A

B

C

D

E

7

m

| | |
|-----|-----|
| [0] | [0] |
| [1] | [1] |
| [2] | [2] |
| [3] | [3] |
| [4] | [4] |
| [5] | [5] |
| [6] | [6] |
| [7] | [7] |
| [8] | [8] |
| [9] | [9] |

8

cm

| | | |
|-----|-----|-----|
| [0] | [0] | [0] |
| [1] | [1] | [1] |
| [2] | [2] | [2] |
| [3] | [3] | [3] |
| [4] | [4] | [4] |
| [5] | [5] | [5] |
| [6] | [6] | [6] |
| [7] | [7] | [7] |
| [8] | [8] | [8] |
| [9] | [9] | [9] |

9

| | |
|-----|-----|
| [0] | [0] |
| [1] | [1] |
| [2] | [2] |
| [3] | [3] |
| [4] | [4] |
| [5] | [5] |
| [6] | [6] |
| [7] | [7] |
| [8] | [8] |
| [9] | [9] |

10

A

B

C

D

E

11

A

B

C

D

E

12

£

| | | | |
|-----|-----|-----|-----|
| [0] | [0] | [0] | [0] |
| [1] | [1] | [1] | [1] |
| [2] | [2] | [2] | [2] |
| [3] | [3] | [3] | [3] |
| [4] | [4] | [4] | [4] |
| [5] | [5] | [5] | [5] |
| [6] | [6] | [6] | [6] |
| [7] | [7] | [7] | [7] |
| [8] | [8] | [8] | [8] |
| [9] | [9] | [9] | [9] |

13

A

B

C

D

E

14

A

B

C

D

E

15

minutes

| | | |
|-----|-----|-----|
| [0] | [0] | [0] |
| [1] | [1] | [1] |
| [2] | [2] | [2] |
| [3] | [3] | [3] |
| [4] | [4] | [4] |
| [5] | [5] | [5] |
| [6] | [6] | [6] |
| [7] | [7] | [7] |
| [8] | [8] | [8] |
| [9] | [9] | [9] |

16

A

B

C

D

E

17

A

B

C

D

E

F

18

| | | |
|---|---|--|
| | | |
| 0 | 0 | |
| 1 | 1 | |
| 2 | 2 | |
| 3 | 3 | |
| 4 | 4 | |
| 5 | 5 | |
| 6 | 6 | |
| 7 | 7 | |
| 8 | 8 | |
| 9 | 9 | |

19

| | | |
|---|--------------------------|--|
| | | |
| A | <input type="checkbox"/> | |
| B | <input type="checkbox"/> | |
| C | <input type="checkbox"/> | |
| D | <input type="checkbox"/> | |
| E | <input type="checkbox"/> | |

20

| | | |
|---|--------------------------|--|
| | | |
| A | <input type="checkbox"/> | |
| B | <input type="checkbox"/> | |
| C | <input type="checkbox"/> | |
| D | <input type="checkbox"/> | |
| E | <input type="checkbox"/> | |

21

| | | |
|---|---|--|
| | | |
| 0 | 0 | |
| 1 | 1 | |
| 2 | 2 | |
| 3 | 3 | |
| 4 | 4 | |
| 5 | 5 | |
| 6 | 6 | |
| 7 | 7 | |
| 8 | 8 | |
| 9 | 9 | |

22

| | | |
|---|--------------------------|--|
| | | |
| A | <input type="checkbox"/> | |
| B | <input type="checkbox"/> | |
| C | <input type="checkbox"/> | |
| D | <input type="checkbox"/> | |
| E | <input type="checkbox"/> | |

23

| | | | |
|---|---|--|-----------------|
| | | | cm ² |
| 0 | 0 | | |
| 1 | 1 | | |
| 2 | 2 | | |
| 3 | 3 | | |
| 4 | 4 | | |
| 5 | 5 | | |
| 6 | 6 | | |
| 7 | 7 | | |
| 8 | 8 | | |
| 9 | 9 | | |

24

| | | |
|---|--------------------------|--|
| | | |
| A | <input type="checkbox"/> | |
| B | <input type="checkbox"/> | |
| C | <input type="checkbox"/> | |
| D | <input type="checkbox"/> | |
| E | <input type="checkbox"/> | |

25

| | | |
|---|---|--|
| | | |
| 0 | 0 | |
| 1 | 1 | |
| 2 | 2 | |
| 3 | 3 | |
| 4 | 4 | |
| 5 | 5 | |
| 6 | 6 | |
| 7 | 7 | |
| 8 | 8 | |
| 9 | 9 | |

26

| | | |
|---|--------------------------|--|
| | | |
| A | <input type="checkbox"/> | |
| B | <input type="checkbox"/> | |
| C | <input type="checkbox"/> | |
| D | <input type="checkbox"/> | |
| E | <input type="checkbox"/> | |

27

| | | |
|---|--------------------------|--|
| | | |
| A | <input type="checkbox"/> | |
| B | <input type="checkbox"/> | |
| C | <input type="checkbox"/> | |
| D | <input type="checkbox"/> | |
| E | <input type="checkbox"/> | |

28

| | | |
|---|--------------------------|--|
| | | |
| A | <input type="checkbox"/> | |
| B | <input type="checkbox"/> | |
| C | <input type="checkbox"/> | |
| D | <input type="checkbox"/> | |
| E | <input type="checkbox"/> | |

29

| | | |
|---|--------------------------|--|
| | | |
| A | <input type="checkbox"/> | |
| B | <input type="checkbox"/> | |
| C | <input type="checkbox"/> | |
| D | <input type="checkbox"/> | |
| E | <input type="checkbox"/> | |

30

| | | | |
|---|---|--|---|
| | | | % |
| 0 | 0 | | |
| 1 | 1 | | |
| 2 | 2 | | |
| 3 | 3 | | |
| 4 | 4 | | |
| 5 | 5 | | |
| 6 | 6 | | |
| 7 | 7 | | |
| 8 | 8 | | |
| 9 | 9 | | |

Section B

1

| | | |
|---|--------------------------|--|
| | | |
| A | <input type="checkbox"/> | |
| B | <input type="checkbox"/> | |
| C | <input type="checkbox"/> | |
| D | <input type="checkbox"/> | |
| E | <input type="checkbox"/> | |

2

| | | | | | |
|---|---|---|---|---|--|
| £ | | | . | | |
| 0 | 0 | 0 | 0 | 0 | |
| 1 | 1 | 1 | 1 | 1 | |
| 2 | 2 | 2 | 2 | 2 | |
| 3 | 3 | 3 | 3 | 3 | |
| 4 | 4 | 4 | 4 | 4 | |
| 5 | 5 | 5 | 5 | 5 | |
| 6 | 6 | 6 | 6 | 6 | |
| 7 | 7 | 7 | 7 | 7 | |
| 8 | 8 | 8 | 8 | 8 | |
| 9 | 9 | 9 | 9 | 9 | |

3

| | | | |
|---|---|--|-----------------|
| | | | cm ² |
| 0 | 0 | | |
| 1 | 1 | | |
| 2 | 2 | | |
| 3 | 3 | | |
| 4 | 4 | | |
| 5 | 5 | | |
| 6 | 6 | | |
| 7 | 7 | | |
| 8 | 8 | | |
| 9 | 9 | | |

4

| | | | | |
|---|---|---|--|---|
| | | | | m |
| 0 | 0 | 0 | | |
| 1 | 1 | 1 | | |
| 2 | 2 | 2 | | |
| 3 | 3 | 3 | | |
| 4 | 4 | 4 | | |
| 5 | 5 | 5 | | |
| 6 | 6 | 6 | | |
| 7 | 7 | 7 | | |
| 8 | 8 | 8 | | |
| 9 | 9 | 9 | | |

5

| | | | | | |
|---|---|---|---|---|--|
| | | | : | | |
| 0 | 0 | 0 | 0 | 0 | |
| 1 | 1 | 1 | 1 | 1 | |
| 2 | 2 | 2 | 2 | 2 | |
| 3 | 3 | 3 | 3 | 3 | |
| 4 | 4 | 4 | 4 | 4 | |
| 5 | 5 | 5 | 5 | 5 | |
| 6 | 6 | 6 | 6 | 6 | |
| 7 | 7 | 7 | 7 | 7 | |
| 8 | 8 | 8 | 8 | 8 | |
| 9 | 9 | 9 | 9 | 9 | |

6

| | | | | | | |
|---|---|---|---|---|--|----------------|
| | | | . | | | m ² |
| 0 | 0 | 0 | 0 | 0 | | |
| 1 | 1 | 1 | 1 | 1 | | |
| 2 | 2 | 2 | 2 | 2 | | |
| 3 | 3 | 3 | 3 | 3 | | |
| 4 | 4 | 4 | 4 | 4 | | |
| 5 | 5 | 5 | 5 | 5 | | |
| 6 | 6 | 6 | 6 | 6 | | |
| 7 | 7 | 7 | 7 | 7 | | |
| 8 | 8 | 8 | 8 | 8 | | |
| 9 | 9 | 9 | 9 | 9 | | |

7

| | | | | | |
|---|---|---|---|---|---|
| | | | | | o |
| 0 | 0 | 0 | 0 | 0 | |
| 1 | 1 | 1 | 1 | 1 | |
| 2 | 2 | 2 | 2 | 2 | |
| 3 | 3 | 3 | 3 | 3 | |
| 4 | 4 | 4 | 4 | 4 | |
| 5 | 5 | 5 | 5 | 5 | |
| 6 | 6 | 6 | 6 | 6 | |
| 7 | 7 | 7 | 7 | 7 | |
| 8 | 8 | 8 | 8 | 8 | |
| 9 | 9 | 9 | 9 | 9 | |

8

| | | |
|---|---|--|
| | | |
| 0 | 0 | |
| 1 | 1 | |
| 2 | 2 | |
| 3 | 3 | |
| 4 | 4 | |
| 5 | 5 | |
| 6 | 6 | |
| 7 | 7 | |
| 8 | 8 | |
| 9 | 9 | |

9

| | | |
|---|--------------------------|--|
| | | |
| A | <input type="checkbox"/> | |
| B | <input type="checkbox"/> | |
| C | <input type="checkbox"/> | |
| D | <input type="checkbox"/> | |
| E | <input type="checkbox"/> | |

10

| | | |
|---|---|---|
| | | |
| 0 | 0 | 0 |
| 1 | 1 | 1 |
| 2 | 2 | 2 |
| 3 | 3 | 3 |
| 4 | 4 | 4 |
| 5 | 5 | 5 |
| 6 | 6 | 6 |
| 7 | 7 | 7 |
| 8 | 8 | 8 |
| 9 | 9 | 9 |

11

| | | |
|---|---|---|
| | | |
| 0 | 0 | 0 |
| 1 | 1 | 1 |
| 2 | 2 | 2 |
| 3 | 3 | 3 |
| 4 | 4 | 4 |
| 5 | 5 | 5 |
| 6 | 6 | 6 |
| 7 | 7 | 7 |
| 8 | 8 | 8 |
| 9 | 9 | 9 |

12

| | | | | |
|---|---|---|---|---|
| | | | | |
| 0 | 0 | 0 | 0 | 0 |
| 1 | 1 | 1 | 1 | 1 |
| 2 | 2 | 2 | 2 | 2 |
| 3 | 3 | 3 | 3 | 3 |
| 4 | 4 | 4 | 4 | 4 |
| 5 | 5 | 5 | 5 | 5 |
| 6 | 6 | 6 | 6 | 6 |
| 7 | 7 | 7 | 7 | 7 |
| 8 | 8 | 8 | 8 | 8 |
| 9 | 9 | 9 | 9 | 9 |

13

| | | | | | |
|---|---|---|---|---|---|
| | | | | | |
| 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | 1 | 1 | 1 | 1 | 1 |
| 2 | 2 | 2 | 2 | 2 | 2 |
| 3 | 3 | 3 | 3 | 3 | 3 |
| 4 | 4 | 4 | 4 | 4 | 4 |
| 5 | 5 | 5 | 5 | 5 | 5 |
| 6 | 6 | 6 | 6 | 6 | 6 |
| 7 | 7 | 7 | 7 | 7 | 7 |
| 8 | 8 | 8 | 8 | 8 | 8 |
| 9 | 9 | 9 | 9 | 9 | 9 |

14

| | | | | | |
|---|---|---|---|---|--|
| £ | | | . | | |
| 0 | 0 | 0 | 0 | 0 | |
| 1 | 1 | 1 | 1 | 1 | |
| 2 | 2 | 2 | 2 | 2 | |
| 3 | 3 | 3 | 3 | 3 | |
| 4 | 4 | 4 | 4 | 4 | |
| 5 | 5 | 5 | 5 | 5 | |
| 6 | 6 | 6 | 6 | 6 | |
| 7 | 7 | 7 | 7 | 7 | |
| 8 | 8 | 8 | 8 | 8 | |
| 9 | 9 | 9 | 9 | 9 | |

15

| | | |
|---|---|---|
| | | |
| 0 | 0 | 0 |
| 1 | 1 | 1 |
| 2 | 2 | 2 |
| 3 | 3 | 3 |
| 4 | 4 | 4 |
| 5 | 5 | 5 |
| 6 | 6 | 6 |
| 7 | 7 | 7 |
| 8 | 8 | 8 |
| 9 | 9 | 9 |

16

| | |
|-----|-----|
| [0] | [0] |
| [1] | [1] |
| [2] | [2] |
| [3] | [3] |
| [4] | [4] |
| [5] | [5] |
| [6] | [6] |
| [7] | [7] |
| [8] | [8] |
| [9] | [9] |

17

| | | |
|-----|-----|-------|
| [0] | [0] | years |
| [1] | [1] | |
| [2] | [2] | |
| [3] | [3] | |
| [4] | [4] | |
| [5] | [5] | |
| [6] | [6] | |
| [7] | [7] | |
| [8] | [8] | |
| [9] | [9] | |

18

| | | |
|-----|-----|---|
| [0] | [0] | m |
| [1] | [1] | |
| [2] | [2] | |
| [3] | [3] | |
| [4] | [4] | |
| [5] | [5] | |
| [6] | [6] | |
| [7] | [7] | |
| [8] | [8] | |
| [9] | [9] | |

19

| | | |
|-----|-----|----------------|
| [0] | [0] | m ² |
| [1] | [1] | |
| [2] | [2] | |
| [3] | [3] | |
| [4] | [4] | |
| [5] | [5] | |
| [6] | [6] | |
| [7] | [7] | |
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| [9] | [9] | |

20

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|-----|-----|---|
| [0] | [0] | % |
| [1] | [1] | |
| [2] | [2] | |
| [3] | [3] | |
| [4] | [4] | |
| [5] | [5] | |
| [6] | [6] | |
| [7] | [7] | |
| [8] | [8] | |
| [9] | [9] | |

21

A

B

C

D

E

22

A

B

C

D

E

23

| | | | |
|-----|-----|-----|-----------------|
| [0] | [0] | [0] | cm ³ |
| [1] | [1] | [1] | |
| [2] | [2] | [2] | |
| [3] | [3] | [3] | |
| [4] | [4] | [4] | |
| [5] | [5] | [5] | |
| [6] | [6] | [6] | |
| [7] | [7] | [7] | |
| [8] | [8] | [8] | |
| [9] | [9] | [9] | |

24

A

B

C

D

E

25

| | | | |
|-----|-----|-----|---|
| [0] | [0] | [0] | m |
| [1] | [1] | [1] | |
| [2] | [2] | [2] | |
| [3] | [3] | [3] | |
| [4] | [4] | [4] | |
| [5] | [5] | [5] | |
| [6] | [6] | [6] | |
| [7] | [7] | [7] | |
| [8] | [8] | [8] | |
| [9] | [9] | [9] | |

26

| | |
|-----|-----|
| [0] | [0] |
| [1] | [1] |
| [2] | [2] |
| [3] | [3] |
| [4] | [4] |
| [5] | [5] |
| [6] | [6] |
| [7] | [7] |
| [8] | [8] |
| [9] | [9] |

27

| | | | |
|-----|-----|-----|---|
| [0] | [0] | [0] | ° |
| [1] | [1] | [1] | |
| [2] | [2] | [2] | |
| [3] | [3] | [3] | |
| [4] | [4] | [4] | |
| [5] | [5] | [5] | |
| [6] | [6] | [6] | |
| [7] | [7] | [7] | |
| [8] | [8] | [8] | |
| [9] | [9] | [9] | |

28

A

B

C

D

E

29

| | | | |
|-----|-----|-----|-------|
| [0] | [0] | [0] | hours |
| [1] | [1] | [1] | |
| [2] | [2] | [2] | |
| [3] | [3] | [3] | |
| [4] | [4] | [4] | |
| [5] | [5] | [5] | |
| [6] | [6] | [6] | |
| [7] | [7] | [7] | |
| [8] | [8] | [8] | |
| [9] | [9] | [9] | |

30

| | | | |
|-----|-----|-----|---------|
| [0] | [0] | [0] | minutes |
| [1] | [1] | [1] | |
| [2] | [2] | [2] | |
| [3] | [3] | [3] | |
| [4] | [4] | [4] | |
| [5] | [5] | [5] | |
| [6] | [6] | [6] | |
| [7] | [7] | [7] | |
| [8] | [8] | [8] | |
| [9] | [9] | [9] | |