Discussion cards

There are 50 discussion cards in this collection of *Number Vision Discussion statement cards* and some true/ false answer cards (photocopy the true/ false image cards back to back so each pupil has a copy each. The discussion cards are an opportunity for guided discussion. It can be child to child, or teacher to child/ children. Through using these cards pupils are given the opportunity to clarify his/ her thinking through discussion, rather than just questioning, turn-taking, respect others opinions and gain confidence in putting forward their own opinions.

Discussion skills[1] such as

1. Turn-taking
2. Active listening
3. Positive response to the opinions of others
4. Confidence in putting forward an opinion
5. Ability to explain clearly their point of view

Discussion card activities

- True/ false activity: Give each pupil a true/ false card. The cards have the word 'true' on one side and 'false' on the other side. These cards can be used along with the discussion cards, or the leader/ teacher can create their own statements or questions. This activity encourages pupils to interact in a class discussion. By holding up the cards, the teacher/ leader can see at a glance which pupils need guidance in regards to the statement/ question. This activity can be useful for revising and reinforcing previously taught mathematical knowledge. Pupils are able to generate their own questions/ statements, (with the guidance of a teacher) and become the leader

  How to play:
  The leader/ teacher reads out a discussion card. Pupils discuss the statement in pairs or groups and decide if they think it is true or false. Once sufficient time has been given to discuss the card, the teacher asks pupils to show their answer card as 'true' or 'false'. The teacher can select pairs/ groups/ individuals to justify their thought behind their chosen answer.

- Who wants to be a millionaire: Use the discussion cards (or statements created by pupils based on a specific mathematical concept recently learned) to play a classroom version of the television game who wants to be a Millionaire! A selected pupil can sit in the maths chair at the front of the room. The teacher or another pupil can be the leader and read out a discussion card or display a card on the whiteboard. Like the TV game, pupils can

[1] Primary School Curriculum, Mathematics, Teacher Guidelines. Approaches and Methodologies pg 30

answer the question themselves, phone a friend… who can only answer by offering a strategy that can be used, or ask the audience …who can have digit cards, the true/ false cards or mini whiteboards to show their opinions.

- Discussion cards: The cards can be used as a 'finished early' activity for pupils who can work in pairs, with the emphasis being on ability to explain strategies used to reach the answer.

- Create discussion statements: Pupils can work in pairs and create discussion statements like the ones in the cards. The teacher/ leaders can give an answer, such as 52cm. Pupils have to create three statements that fit the answer given. *For e.g. I had a piece of string 1m in length. When I cut off a piece that was 48cm in length, I had ____cm left… If I had a rope 5.2cm in length and cut it into ten equal parts, each part would be ….*

- The problem of the day/ Monday's discussion card: Use the discussion cards as a focus for discussion once a day or once a week.

- Around the world: Use the discussion cards or cards that pupils made, specific to a maths area just covered. Pick two pupils to begin the game. Teacher shows/ reads them a discussion card. The first pupil to get it correct, (and able to explain the strategy used to get the answer) gets the card. The second pupil sits down, and another person stands up in his/ her place. Play continues, whichever pupil gets the question correct keeps the card, and a new opponent stands up.

    - If it is a tie, the teacher will select a second discussion card.
    - If a pupil calls out an incorrect answer or is unable to explain how they arrived at their answer, they sit down. Their opponent stays.
    - No second chances allowed
    - The teacher can allow a set amount of time (e.g. 10 seconds for though it depends on the level of difficulty)
    - The pupil who 'goes around the world' and gets all the questions correct is the winner, otherwise, it is the pupil with the most cards.

- Maths mastermind: Selected pupil can sit in the *maths chair* at the front of the room. The pupil has to answer 10 questions based on a specific mathematics topic such as addition tables, addition facts (doubles, near doubles), fractions etc. Like the Television game, pupils can be asked "*what is your name and what is your specialized subject area?*' A pupil might answer *'double facts to 20+20'* or *'addition facts +2,+3 and +4.'*

  The questions can be written by the teacher initially after a specific topic has been covered to use as an example for pupils. Eventually, pupils can design questions. The discussion cards can also be used here

False

False

False

False

True

True

True

True

1.True or false?

Addition makes numbers bigger

2.True or false?

When you double a number, the answer is always an even number

3.True or false?

There are 7 days in a week

4.True or false?

- There are three months in each season
- There are 10 months in one year

5.True or false?

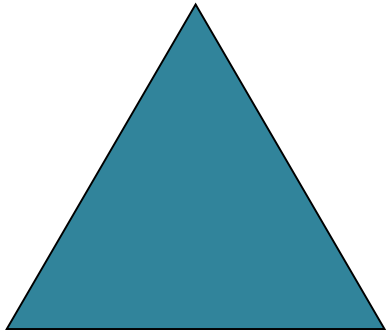
Subtraction makes numbers bigger

6.True or false?

A rectangle has 8 sides

7.True or false?

This is a triangle



8.True or false?

A square has 4 sides

9.True or false?

I have 8 flowers. If I colour ½ the flowers red, I will have 5 red flowers

10.True or false?

I have 20c. If I give ½ of my money to Charlie, I will have 10c left

11. True or false?

¾ is bigger than ½.

12. True or false?

If you double all of the numbers between 1 and 10 the answers are always even numbers.

13. True or false?

1 ten and 25 units is the same as 3 tens 5 units (regrouping)

14. True or false?

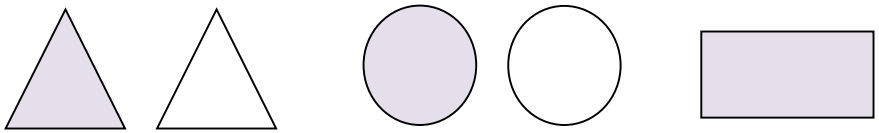
2 tens 23 units is the same as 1 ten 13 units (regrouping)

15. One number does not belong to this list.

41 43 45 46 47 49

True or false? 45 is the number that does not belong to this list

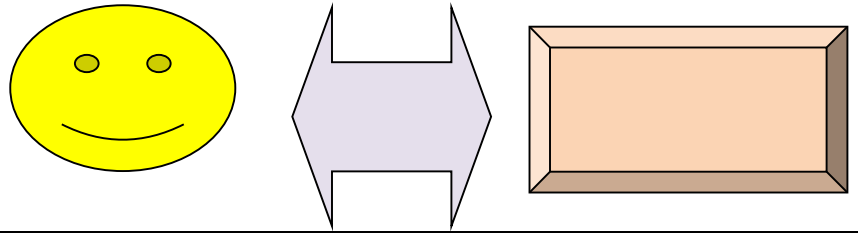
16.



True or false? The next shape in this pattern is a square

17. True or false?

Only one of these shapes is symmetrical



18.

0 2 5 7 8 6 4

True or false? These are all even numbers

19. Which of these statements are false?

1. 13=13
2. 13< 31
3. 31<13
4. 13>14
5. 14>13

20. True or false?

Mary bought 3 oranges, 5 apples and 4 bananas. She bought 12 pieces of fruit in altogether

21. True or false?

A shopkeeper had 36 apples.
He sold 3.

He has 34 apples left.

22.

7+7+1= 8+8-1

Is this number equation **true or false?**

23. True or false?

5+5+2=4+4+2

Is this number equation **true or false?**

24.

Uncle Tim has a dog and a cat.

True or false?

The animals have 6 legs altogether

25. Which of these number sentences are false?

1. 10+27=37
2. 10+10-1=18
3. 12+2-2=12

26.

25,32,36,28, 39

True or false? These numbers are in the correct order

27. True or false?

49 is 4 tens and 9 units

28. True or false?

4 rabbits have 8 ears

29. True or false?

A sphere, a cone and a cylinder can all roll

30.

True or false?

1. The spoon is to the right of the knife
2. The fork is to the left of the plate
3. The knife is to the right of the spoon

31.

True or false?

The clock says half past 4

32. True or false?

A horse has two legs and four ears

33. True or false?

13=6+7

34. Which of these statements are true or false?

1. 2+2=4
2. 4+4=9
3. 5+5=10
4. 6+6=12

35.

True or false?

The clock says half past 12

36. True or false?

3+2+5+8=17

37. John had 50c. He bought a pencil for 20c.

True or false?

He has 25c left

38. *True or false?*

Three cats have 10 legs in total

39. Janet is 7 years old. Her sister Judy is 5 years older.

True or false? **Judy is 12 years old**

40. True or false?

½ is greater than ¼

41. I have 20c. I gave ½ my money to Clare.

True or false?

I have 10c left

42. I have ½ the price of a yoghurt. I have 30c.

True or false?

The yoghurt cost 15c

43. True or false?

The fourth day of the week begins with the letter 'T.'

44. True or false?

We usually go to school 5 days a week.

45. True or false?

7 tens + 20 units=

6 tens and 2 units

46. True or false?

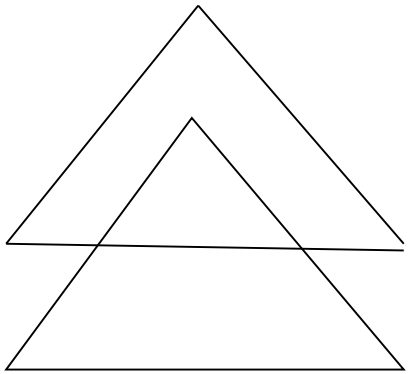
This butterfly is symmetrical

47. True or false?

The clock is heavier than the money

48. True or false?

The 7th month of the year is August



49. True or false?

There are three triangles

50. True or false?

½ kg < ¼ kg